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The Duchassaing & Michelotti collection of Caribbean corals: status of the types and location of the specimens

Abstract - In 1860 and 1864, Eduard Placide Duchassaing de Fonbressin and Giovanni Michelotti published two monographs listing 409 species of Cnidaria collected in the Caribbean Region, 208 of which were new to science. In the *Mémoire sur les coralliaires des Antilles* of 1860, the same Authors assigned their collection to the Turin Museum in order to “*Livrer au domaine public les collections en les destinant au Muséum d’histoire naturelle de Turin*”. The collection was actually distributed to various Museums, and among these a large part was donated to the Imperial and Royal Museum of Physics and Natural History of Florence, presently the Zoological Museum “La Specola” of the University of Florence. From the examination of all the preserved material, we were able to compile a new list of the Duchassaing & Michelotti collection, comprising 236 species. It was also possible to list specimens that are missing but testified in the old museum catalogues or in past revisions by specialists. With this contribution, 109 specimens of the 208 new species described by the Authors are once again known and available to specialists in the field. On the basis of the International Code of Zoological Nomenclature have been designated 74 lectotypes, 1 holotype and 34 type series waiting a specific analysis.

Key-words: Duchassaing, Michelotti, Cnidaria, Caribbean, types.

Riassunto - La collezione di coralli caraibici di Duchassaing & Michelotti: stato dei tipi e collocazione degli esemplari.

Eduard Placide Duchassaing de Fonbressin e Giovanni Michelotti pubblicarono nel 1860 e nel 1864 due importanti monografie dove elencavano 409 specie di Cnidari raccolte nella regione caraibica, 208 di queste nuove per la scienza. Gli Autori, nelle *Mémoire sur les coralliaires des Antilles* del 1860, destinavano l’intera collezione al Museo di Torino per “*Livrer au domaine public les collections en les destinant au Muséum d’histoire naturelle de Turin*”. In realtà la collezione fu inviata a vari Musei e fra questi, una cospicua parte, all’Imperiale e Regio Museo di Fisica e Storia Naturale di Firenze, attualmente Museo Zoologico “La Specola” dell’Università degli Studi di Firenze. Dall’esame di tutto il materiale ancora conservato si è potuto redigere una nuova lista della collezione Duchassaing & Michelotti, attualmente ridotta a 236 specie. Contemporaneamente sono stati elencati anche i campioni andati perduti, ma dei quali si sono conservate tracce nei cataloghi antichi dei musei o nelle documentate revisioni di specialisti. Questo contributo rende nuovamente disponibili agli studiosi i campioni di 109 delle 208 specie descritte dagli Autori. In base alle norme del Codice di Nomenclatura Zoologica sono stati designati 74 lectotipi, un olotipo e 34 serie tipiche in attesa di una successiva analisi.

Parole chiave: Duchassaing, Michelotti, Cnidaria, Caraibi, tipi.

Acronyms and abbreviations

D. & M., Duchassaing & Michelotti; BMNH, British Museum of Natural History, London, UK; MCZ, Museum of Comparative Zoology, Harvard University, Cambridge, USA; MNHN, National Museum of Natural History, Paris, France; MSNT, Regional Museum of Natural Sciences, Turin, Italy; MZUF, Zoological Museum “La Specola”, Section of the Museum of Natural History, University of Florence, Italy; Loc., locality reported in the two monographs; [T], when “Typus” is reported on the historical label and/or informative form.

Introduction

The listed species, belonging to the classes Anthozoa and Hydrozoa, are described in two monographs, the first, “Mémoire sur les coralliaires des Antilles”, published in 1860 and the second, “Supplément au mémoire sur les coralliaires des Antilles”, in 1864 by Eduard Placide Duchassaing de Fonbressin (Sagot, 1873; d’Hondt & d’Hondt, 2001) and Giovanni Michelotti (Sacco, 1898). The material was collected mainly by Duchassaing in the Caribbean region during the second half of the XIX century; it is now mostly preserved in the Regional Museum of Natural Sciences of Turin and the Zoological Museum “La Specola”, Section of the Natural History Museum of the University of Florence.

The specimens of the species listed in the two monographs, defined by Bayer (1961: 9) as “*the first studies dealing specifically with the corals of the West Indies*”, were assigned to Turin by the Authors. The presence of the material in the Florence Museum collections suggested the search of the current location of the extant material; indeed part of the collection were donated by Michelotti to the Royal Museum of Physics and Natural History of Florence in 1865 (Targioni Tozzetti, 1873). Moreover, Deichmann (1936) wrote that some fragments of the type material were donated to the Museum of Comparative Zoology of Harvard University by the Swiss naturalist A. von Kölliker in 1873, Stiansy (1937) indicated that some of the D. & M. specimens were sent to the National Museum of Natural History of Paris, and Rossi (1956) reported that some spicules of type material present in Turin were sent to the Natural History Museum of London. Several specimens received from Kölliker are still preserved at Harvard (A. Baker Johnston, personal communication), while the holotype of *Briarea capitata*, belonging to the Michelin collection, and another two non-type specimens are present in Paris (d’Hondt & d’Hondt, 2001). The presence of material from the D. & M. collection in the London Museum remains uncertain due to ongoing transfer of the collection (S. Halsey, personal communication).

The statement by the Authors in 1860 about assigning the entire collection to the Turin Museum deceived the scientific community at the time, which was unaware that part of the collection was preserved in Florence. Only Targioni Tozzetti (1873), director of the Section of Invertebrate Zoology of the Imperial and Royal Museum of Physics and Natural History of Florence since 1859 to 1901, published some observations citing specimens of Michelotti. Since then, nobody has published on the Florentine collection, which has remained unknown to specialists. Indeed, they have not only turned exclusively to Turin to study the specimens described by D. & M., but they have also considered a large part of the collection to be lost (Bayer, 1961; Cairns, 1979). By the way, the Turin specimens have often been studied (Vaughan in 1898, Mc Murrich and Matthai in 1922, Rossi, Zibrowius in 1973,

Opresko in 1974) and published (Kölliker, 1865; Carlgren, 1900; Mc Murrich, 1905; Vaughan, 1907, 1919; Matthai, 1928; Rossi, 1956, 1959).

Despite the vicissitudes and transfers that the collections of the two Italian Museums have undergone in more than a century, most of the historical material has been preserved, and with it much of the D. & M. collection. Unfortunately, however, part of the donation is missing and today we have traces of it only in the old catalogues, or by means of informative forms and labels compiled at the time by Targioni Tozzetti and De Filippi.

The following list reports the actual location of the D. & M. collection, cited in the monographs, with the original name, and for the type material the current type status too. In Appendix I, the species not found in any museum collections are listed, while, in Appendix II, those belonging to the D. & M. collection but not present in the two monographs of 1860 and 1864 are reported. It is not sure whether the missing material is definitively lost. In fact, just as the D. & M. collection of sponges is divided among six zoological museums (van Soest *et al.*, 1983), it is possible to imagine that some cnidarian specimens were given or lent to other still unknown institutions.

Nomenclatural notes

When the two monographs on Caribbean corals were published, the “International Code of Zoological Nomenclature” (ICZN) had not yet been compiled. Therefore, the Authors did not indicate the holotype and possible paratypes for each new species described, with the relative collection data. Although some original labels contain the word “Typus”, this alone is not sufficient for assignment of type status to the material (ICZN, 1999: art. 72.4.7).

The few indications wrote by the Authors are the museum to which they should have been donated, and the locality where the species should have been collected. These information have turned out to be not correct since a large part of the material was never deposited at the Turin Museum, being preserved in Florence. With regard to the locality, in the new species brief descriptions, the distribution written by the Authors is not the collection locality, but the localities where the species is present. In fact sometimes, they generally refer to “the Antilles”, at other times to a precise island of the archipelago. According to the ICZN (art. 76), these localities cannot be interpreted as type localities. Therefore, in the cases in which it was possible to identify a lectotype, the locality of collection reported on the ancient label becomes the type locality. However, when there is a type series, the type locality of the species is the set of localities where the syntypes were collected.

Rossi (1956, 1959) revised the Turin material and assigned holotype status to the type specimens believed to be unique (she was unaware of the specimens in Florence) and syntype status to the non-unique specimens. The lack of examination of all specimens and the inappropriate application of the ICZN, force to invalidate some of Rossi’s attributions. However, this does not diminish the importance of these two valuable revisions. Therefore, in agreement with the ICZN, the specimens that present an exact correspondence to the original plates (Fig. 1) are listed as lectotypes (art. 74.4: *Designation by means of an illustration or description*); thus, the specimens indicated as holotypes by Rossi become lectotypes (art. 74.6: *Fixation of lectotype by inference of “holotype” or “the type” before 2000*) except the ones that, replaced by the former, become paralectotypes. Specimens of the other described species that have not been illustrated are indicated as syntypes (art. 73.2); the now unique specimens, of type species that do not fall within the above-mentioned cases, are indicated as syntypes too.

Historical documentation

The specimens collection history is based on the following documentation.

Data recovered from the monographs. Most of the material was collected directly by Duchassaing, when it is not reported the name of the collector.

Data discovered in the historical storeroom catalogues. In the Storeroom Catalogue of Invertebrate Animals II (1864-1926) of the Florence Museum was recorded: "*Coralli e spugne donati dal Sig. Cav. Giovanni Michelotti nell' Ottobre 1865*" (number 443). In the old documents of the Archival Collections of the Har-



Fig. 1. – A specimen of *Stylaster elegans* (MZUF 343), on the left, identical to the original plate (D. & M. 1864, pl. IX fig. 4), on the right (photos by S. Bambi).

Fig. 1. – Un esemplare di *Stylaster elegans* (MZUF 343), a sinistra, identico alla tavola originale (D. & M. 1864, pl. IX fig. 4), a destra (fotografie di S. Bambi).

vard Museum, it is reported that the D. & M. material (a “great number of species received”) was given to the museum in 1873 by “Kölliker of Würzburg” (A. B. Johnston, personal communication).

Data recovered from old collection catalogues. In the Turin and Florence Museums, the specimens have had various inventory numbers in time, referable to as many collection catalogues; retracing the steps, sometimes it has been possible to add information about various specimens.

Data furnished by the historical informative forms. For the specimens housed in Florence, informative forms were compiled by Targioni Tozzetti at the time of acquisition, including descriptions of the colony and corallites, their measures, notes on systematics and synonymies. In fact, the necrology of Targioni Tozzetti (Bargagli, 1902) indicated that he had studied the corals even though his descriptions and observations were never published. These forms provide important information about the specimens, especially valuable data on the missing species. Later, during the reorganization of the collection, A. Senna, who worked in the Institute of Zoology (formerly the Section of Invertebrate Zoology) from 1921 to 1935, compiled new informative forms without adding further information but assigning, for the first time, the collection numbers.

Data retrieved directly from labels. Targioni Tozzetti also gave to the majority of the Florence specimens new labels and this work was later completed by Senna. Mc Murrich (1905) wrote that most of the specimens of the Turin Museum had four labels “one, which was apparently the original label of Duchassaing; a second, as a rule repeating the identification of the original label and presumably written, as Professor Camerano suggested, by De Filippi; and finally two written by Carlgren, one of which was a repetition of the original label and the other Carlgren’s own identification”. Today, some of these labels have been lost.

List of specimens

The following list reports the species for which we know the exact and original status, whether the specimens are still present today or missing. For each species, the reference in the volumes of D. & M. (1860, 1864) is indicated and, in the rare cases in which the specimen was not collected directly by Duchassaing, also the name of the collector. For the new species described, the distribution observed by the Authors is also indicated. Where not specified, the sample is a single specimen, whereas for each sample, the species and Author are reported as indicated by D. & M. (1860, 1864).

Each specimen has the current collection number; the old inventory numbers are not reported, except for some Turin specimens for which the old number is provided in order to be able to relate immediately the specimens to the observations of Mc Murrich (1905), Matthai (1928) and Rossi (1956, 1959).

Class Anthozoa
Order Actinaria

Cereus crucifer D. & M., 1864: 31. Mc Murrich (1905: 12) remarked the presence in MSNT of a specimen from St. Thomas, identifying it as *Epicystis crucifera* (Lesueur, 1817); De Filippi determined it as *Cereus inflatus* Duchassaing, 1850, and Carlgren identified it as *Phymanthus crucifer* (Lesueur, 1817). Type material not found.

Lebrunia neglecta D. & M., 1860: 48, pl. VII fig. 8. D. & M., 1864: 37. Loc: St. Thomas. Mc Murrich (1905: 8-9) reported the presence in MSNT of one specimen. Type material not found.

Oulactis flosculifera Lesueur. D. & M., 1860: 46-47, pl. VII figs. 7, 11; D. & M., 1864: 36. Mc Murrich (1905: 5) found out in MSNT 6 specimens in 4 vials, identifying them as *Actinostella conchilega* Duchassaing, 1850. Material not found.

Oulactis radiata D. & M., 1860: 47, pl. VII fig. 9. D. & M., 1864: 36. Loc: Antilles. Mc Murrich (1905: 6-7) reported the presence in MSNT of a specimen and identified it as *Actinostella radiata* (D. & M., 1860). Type material not found.

Ricordea florida D. & M., 1860: 42, pl. VI fig. 11. D. & M., 1864: 28. Loc: St. Thomas. Mc Murrich (1905: 11) reported the presence in MSNT of an alcohol preserved specimen. Type material not found.

Order Alcyonacea

Ammonothea parasitica D. & M., 1860: 15, pl. I figs. 3-5. D. & M., 1864: 11. Loc: Antilles, St. Thomas. Lectotype: MSNT 74, Antilles (St. Thomas), [T]; Rossi (1956: 195) found out one specimen (ex 52), redetermined it as *Erythropodium polyanthes* (D. & M., 1860) and identified it as holotype; furthermore she reported that a portion of the coral was sent by S. Hickson to the BMNH and probably another piece was sent to the MNHN with the wrong label of "*Xaenia caribaeorum*"; this fragment was examined by Stiasny that erroneously put *Xaenia caribaeorum* D. & M., 1860 in synonymy with *Solenopodium polyanthes* (D. & M., 1860). Paralectotypes: MCZ 4216, St. Thomas, 1865, [T], identified as *Erythropodium polyanthes* (D. & M., 1860); MCZ 4220, St. Thomas, [T], identified as *Erythropodium polyanthes* (D. & M., 1860).

Briarea asbestina (Pallas). D. & M., 1860: 16; D. & M., 1864: 11. MSNT 87, St. Thomas.

Briarea capitata D. & M., 1860: 15-16, pl. VIII fig. 15. D. & M., 1864: 11. Loc: Antilles. Holotype: MNHN, Antilles. As pointed out by the Authors, "*l'unique exemplaire de cette espèce se trouve dans la collection de M^r Michelini à Paris*" (D. & M., 1860); holotype fixed by original designation (ICZN art. 73.1.1). The specimen was determined again by Stiasny (1937: 396) as *Briareum asbestinum* (Pallas, 1832), the Author observed that the specimen "*ressemblant beaucoup à la figure 15 pl. VIII*".

Briarea palmachristi D. & M., 1860: 16, pl. I fig. 7. D. & M., 1864: 11. Loc: Guadalupe. "*Belle espèce recueillie par M^r Schramm, Directeur de la Douane, aux environs du môle, dans l'île de la Guadalupe*" (D. & M., 1860). Lectotype: MSNT 86, Antilles, [T], the specimen is identical to those represented in fig. 7, pl. I. Paralectotype: MSNT 368, Guadalupe. Rossi (1956: 195) redetermined both specimens, held in Turin Museum (ex 57, ex 56), as *Briareum asbestinum* (Pallas, 1832).

Sympodium roseum Ehrenberg. D. & M., 1860: 14; D. & M., 1864: 10. MSNT 295, Guadalupe. MZUF 300, Antilles, revised by Targioni Tozzetti (1973: 459), who doubted that it was *Erythropodium roseum*.

Sympodium verum D. & M., 1864: 10. Loc: St. Thomas. The MZUF still possesses the old form where a specimen from St. Thomas is described, measured and determined as *Erythropodium verum* (D. & M., 1864). Following Targioni Tozzetti (1973: 459) such specimen strikingly resembled the one represented in plate I (D. & M., 1860) as *Xaenia caribaeorum* D. & M., 1860, so much as he considered it the same. Type material not found.

Xaenia caribaeorum D. & M., 1860: 16, pl. I figs. 8-11. D. & M., 1864: 11. Loc: Antilles, St. Thomas. Lectotype: MSNT 303, St. Thomas, specimen broken in 4 fragments; Rossi (1956) noticed the presence of only one specimen (ex 55) broken in two parts, identified it as the holotype and determined it as *Erythropodium caribaeorum* (D. & M., 1860). In the MNHN, Stiasny (1937: 395) found out a specimen, determined it as *Solenopodium polyanthes* (D. & M., 1860); following Rossi (1956) such fragment represented by Stiasny is *Ammonothea parasitica* (D. & M., 1860); in MNHN type material not found.

Order Antipatharia

Antipathes americana D. & M., 1860: 56. D. & M., 1864: 48. Loc: St. Thomas. Syntype: MSNT 78, St. Thomas, specimen redetermined by D. Opresko in IX.1974 as *A. columnaris*.

Antipathes laryx Esper. D. & M., 1864: 48. In MZUF, the presence of one specimen (ex 407) is testified by the old catalogue compiled by A. Senna in 1860. Material not found.

Cirripathes desbonni D. & M., 1864: 48. Loc: Guadalupe. Syntype: MZUF 209, Guadalupe, [T]; following the old form, the specimen was redetermined by A. Targioni Tozzetti as *Stichopathes desbonni* (D. & M., 1864).

Order Gorgonacea

Acis guadalupensis D. & M., 1860: 19-20, pl. I figs. 14-15. D. & M., 1864: 14. Loc: Guadalupe. Syntypes: MSNT 372, Antilles, fragment, [T]; MSNT 374, Antilles, [T].

Acis nutans D. & M., 1864: 15, pl. III figs. 1-2. Loc: St. Croix. In MZUF, the presence of one lost specimen from Antilles is testified only by the old form. Type material not found.

Blepharogorgia schrammi D. & M., 1864: 15, pl. I fig. 9. Loc: Guadalupe. Syntype: MZUF 152, Guadalupe; on the old form is reported the redetermination as *Acanthogorgia schrammi* (D. & M., 1864).

Eunicea anceps D. & M., 1860: 25, pl. III figs. 1-2. D. & M., 1864: 16. Loc: St. Thomas. Lectotype: MSNT 110, St. Thomas, [T]; broken specimen in various pieces, one of which resembling the specimen in the plate; Rossi (1956: 196) designated the unique specimen (ex 78) deposited in Turin as holotype, redetermined it as *Plexaurella dichotoma* (Esper, 1791). Paralectotypes: MZUF 400, Antilles; MCZ, St. Thomas (possible fragment of type).

Eunicea aspera D. & M., 1860: 23. D. & M., 1864: 16. Loc: St. Thomas. Syntype (?): MCZ, St. Thomas (possible fragment of type). Rossi (1956: 194) reported the presence, in MSNT, of one specimen, but doubted being a type; in MSNT type material not found.

Eunicea clavaria Lamouroux. D. & M., 1860: 21; D. & M., 1864: 16. MSNT 113, Antilles. MZUF 418, Antilles.

Eunicea crassa Milne Edwards. D. & M., 1860: 23-24; D. & M., 1864: 16. MSNT 347, St. Thomas.

Eunicea distans D. & M., 1860: 21, pl. I figs. 16-17. D. & M., 1864: 16. Loc: St. Thomas. Syntypes: MSNT 111, Antilles; Rossi (1956: 194) doubted the type status of such specimen (ex 84), without further comments to her statement; MCZ, Antilles (possible fragment of type).

Eunicea ehrenbergi D. & M., 1860: 21, pl. II figs. 6-7. D. & M., 1864: 16. Loc: Guadalupe. Lectotype: MSNT 312, Guadalupe, [T]; Rossi (1956) redetermined the specimen (ex 91) as *Eunicea mammosa* Lamouroux, 1816 and indicated it as the holotype. Paralectotype (?): MCZ, Guadalupe (possible fragment of type).

Eunicea esperi D. & M., 1860: 20-21, pl. II figs. 4-5. D. & M., 1864: 16. Loc: St. Thomas. Lectotype: MSNT 109, St. Thomas, [T], indicated by Rossi (1956:196) as holotype (ex 92).

Eunicea fusca D. & M., 1860: 25, pl. III figs. 5-6. D. & M., 1864: 16. Loc: Guadalupe, St. Thomas, St. Croix. Lectotype: MSNT 308, St. Thomas, [T]; Rossi (1956: 197) redetermined the specimen (ex 93) as *Plexaura fusca* (D. & M., 1860) and indicated it as syntype, since she considered that the Authors, citing three different localities, should have examined other specimens.

Eunicea heteropora Lamarck. D. & M., 1860: 24; D. & M., 1864: 16. MSNT 349, Antilles.

Eunicea hirta D. & M., 1860: 23, pl. II figs. 12-13. D. & M., 1864: 16. Loc: St. Thomas. Lectotype: MSNT 311, Antilles, [T]; the specimen (ex 88) is considered by Rossi (1956: 197) the holotype. Paralectotype (?): MCZ, Antilles (possible fragment of type).

Eunicea humosa Esper. D. & M., 1860: 22; D. & M., 1864: 16. MSNT 306, St. Thomas.

Eunicea laciniata D. & M., 1860: 22, pl. II figs. 10-11. D. & M., 1864: 16. Loc: Antilles. Lectotype: MSNT 112, Antilles, [T]; broken specimen, it exactly corresponds to the original picture in the plate. This specimen (ex 95) was considered by Rossi (1956: 197) the holotype.

Eunicea lugubris D. & M., 1860: 25, pl. III figs. 7-8. D. & M., 1864: 17. Loc: Antilles. Lectotype: MSNT 108, Antilles, [T]; as the specimen is quite ruined, it is not possible to compare it to the original picture; Rossi (1956: 196) noticed the presence of only one specimen, indicating it as the holotype. Paralectotypes (?): MCZ 4439, Antilles (possible type); MCZ, Antilles (possible fragment of type).

Eunicea mammosa Lamouroux. D. & M., 1860: 20; D. & M., 1864: 16. MSNT 114, Antilles.

Eunicea megastoma D. & M., 1860: 24. D. & M., 1864: 16. Loc: St. Thomas. Lectotype: MSNT 310, Antilles, [T]; small colony (ex 94) redetermined by Rossi (1956: 196) as *Eunicea madrepora* (Dana, 1848) and indicated as holotype.

Eunicea nutans D. & M., 1860: 24-25, pl. III figs. 3-4. D. & M., 1864: 16. Loc: St. Thomas. Lectotype: MSNT 348, Antilles, [T]; redetermined by Rossi (1956: 196) as *Plexaurella kunzei* (Kükenthal) and indicated as the holotype (ex 81). Paralectotype (?): MCZ, St. Thomas (possible fragment of type).

Eunicea pseudoantipathes Lamarck. D. & M., 1860: 22; D. & M., 1864: 16. MSNT 307, Antilles.

Eunicea sayoti D. & M., 1860: 22. D. & M., 1864: 16. Loc: St. Thomas. Syntypes: MSNT 346, St. Thomas (Antilles), [T], Rossi (1956: 194) doubted the type status of such specimen (ex 86), without further comments to her statement; MCZ, St. Thomas (possible fragment of type).

Eunicea stromyeri D. & M., 1860: 21-22, pl. II figs. 8-9. D. & M., 1864: 16. Loc: St. Thomas. Syntypes: MSNT 309, St. Thomas, [T], Rossi (1956: 194) doubted the type status of such specimen (ex 87), without further comments to her statement; MCZ, St. Thomas (possible fragment of type).

Eunicea succinea Esper. D. & M., 1860: 23; D. & M., 1864: 16. MSNT 350, St. Thomas.

Gorgonia amarantoides Lamarck. D. & M., 1864: 18. MZUF 173, Antilles.

Gorgonia miniata Valenciennes. D. & M., 1864: 18. MZUF 51, Panama. MZUF 196, Panama. In MZUF, the presence of another specimen (ex 372) is testified by the old catalogue compiled by A. Senna after 1860; material not found.

- Hypnogorgia pendula* D. & M., 1864: 21, pl. V fig. 1. Loc: Guadalupe. Syntype: MZUF 164, Antilles.
- Juncella barbadensis* D. & M., 1864: 22, pl. V fig. 5. Loc: Barbados, Guadalupe. Syntype: MZUF 424, Barbados.
- Juncella funiculina* D. & M., 1864: 22, pl. V fig. 7. Loc: Guadalupe. Syntype: MZUF 425, Barbados, [T].
- Juncella sanctae-crucis* D. & M., 1864: 21-22, pl. II fig. 1. Loc: St. Croix. Syntypes: MZUF 423, St. Croix, 2 specimens, [T].
- Leptogorgia flavida* D. & M., 1860: 32, pl. III figs. 11-13. D. & M., 1864: 19. Loc: Antilles. Syntype: MZUF 138, Antilles, [T].
- Lophogorgia alba* D. & M., 1864: 19, pl. IV fig. 2. Loc: Panama. Lectotype: MZUF 163, Is. Flamenco (Panama), [T]; specimen figured in the original plate. Paralectotype: MSNT 164, Panama (locality reported by Rossi, not indicated in the label), [T]; Rossi (1956: 198) redetermined this specimen (ex 183) as *Leptogorgia alba* (D. & M., 1864) and noticed the presence of spicules taken from the specimen and sent to S. Hickson (BMNH).
- Lophogorgia panamensis* D. & M., 1864: 19, pl. IV fig. 1. Loc: Is. Flamenco. Syntype: MZUF 159, Flamenco Is. (Panama), Pacific Ocean.
- Mopsea gracilis* (Lamouroux). D. & M., 1860: 34; D. & M., 1864: 23. MSNT 205, Antilles.
- Muricea elegans* D. & M., 1860: 19. D. & M., 1864: 14. Loc: Antilles. Lectotype: MSNT 207, Antilles, [T]; specimen reported by Rossi (1956: 197-198) with the old number of collection ex 253 (newly catalogued as ex 153), stressing the similarity with *M. pendula*, but with longer and thinner spicules, and indicating it as the holotype. Paralectotypes: MNHN, St. Thomas, 2 specimens; presence of these specimens reported by d'Hondt & d'Hondt (2001).
- Muricea spicifera* Lamouroux. D. & M., 1860: 19; D. & M., 1864: 14. The presence of one specimen from Antilles in MZUF is testified by the old form. Material not found.
- Muricea teretiuscula* D. & M., 1860: 19. D. & M., 1864: 14. Loc: St. Thomas. Syntype: MSNT 208, St. Thomas.
- Plexaura arbusculum* Duchassaing. D. & M., 1860: 26; D. & M., 1864: 17. MSNT 342, Antilles, ruined specimen.
- Plexaura citrina* (Lamarck). D. & M., 1860: 27; D. & M., 1864: 17. MSNT 315, St. Thomas.
- Plexaura flavida* (Lamarck). D. & M., 1860: 26; D. & M., 1864: 17. MSNT 316, Antilles. MZUF 419, Antilles.
- Plexaura flexuosa* Lamouroux. D. & M., 1860: 28; D. & M., 1864: 17. MSNT 341, Antilles.
- Plexaura mutica* D. & M., 1860: 28, pl. III figs. 9-10. D. & M., 1864: 17. Loc: St. Thomas. Lectotype: MSNT 235, Antilles, specimen similar but not the same as in the original picture in the plate; Rossi (1956: 197) indicated the specimen (ex 69) as the holotype and redetermined it as *Eunicea humilis* Milne Edwards & Haime. Paralectotype (?): MCZ, Antilles (possible fragment of type).
- Plexaura porosa* (Esper). D. & M., 1860: 27; D. & M., 1864: 17. MSNT 314, Antilles.
- Plexaura vermiculata* (Lamarck). D. & M., 1860: 27; D. & M., 1864: 17. MSNT 236, Antilles, redetermined as *Plexaurella vermiculata*.
- Primnoa flabellum* Ehrenberg. D. & M., 1860: 17; D. & M., 1864: 12. MZUF 156, Guadalupe.
- Primnoa regularis* D. & M., 1860: 17, pl. I figs. 12-13. D. & M., 1864: 12. Loc: Guadalupe. Rossi (1956: 198) reported the presence in MSNT of a specimen (ex 174) coming from Guadalupe, quite damaged with "*l'asse corneo quasi completamente a nudo*", that she redetermined as *Narella regularis* (D. & M., 1860). Type material not found.
- Pterogorgia pinnata* (Catesby). D. & M., 1860: 29; D. & M., 1864: 18. D. & M. (1860) reported that "*tel est le bel exemplaire qui se trouve au Musée zoologique de Turin*". In MSNT, material not found.
- Rhipidogorgia elegans* D. & M., 1864: 20; pl. IV fig. 4. Loc: Trinidad. Lectotype: MZUF 191, Trinidad; specimen figured in the original plate.
- Rhipidogorgia flabellum* (L.). D. & M., 1860: 33; D. & M., 1864: 20. MZUF 135, Antilles. MZUF 140, Antilles. MZUF 1027, Antilles.
- Rhipidogorgia ventalina* D. & M., 1864: 20, pl. IV fig. 3. Loc: Panama. Lectotype: MZUF 174, Panama; specimen figured in the original plate.
- Rusea paniculata* D. & M., 1860: 18-19, pl. II figs. 1-3. D. & M., 1864: 14 (cited as *Riisea paniculata*). Loc: Barbados. "*Donnée par M.^r Riise savant Pharmacien à S.^t Thomas*" (D. & M., 1860). Lectotype: MSNT 410, Barbados, [T], specimen very damaged as much as it is not possible a comparison with the original picture; Rossi (1956: 199) indicated the only one specimen (ex 244) as holotype. Paralectotype: MZUF 576, Barbados, 2 small fragments.
- Solanderia gracilis* Duchassaing. D. & M., 1860: 34; D. & M., 1864: 23. The presence of one specimen from Antilles in MZUF is testified by the old form. Material not found.

Swiftia exserta D. & M., 1864: 13, pl. II figs. 4-5. Loc: St. Croix. Syntype: MSNT 282, Guadalupe; specimen (ex 241) revised by Matthai in 1922. In MZUF, the presence of two specimens from Antilles is testified by the old form, type material not found.

Thesea guadalupensis D. & M., 1864: 12, pl. II figs. 2-3. Loc: Guadalupe. Syntypes: MSNT 373, Guadalupe; MZUF 197, Guadalupe.

Verrucella guadalupensis D. & M., 1860: 33, pl. IV figs. 5-6. D. & M., 1864: 20. Loc: Guadalupe. Lectotype: MSNT 351, [T], (no locality on the label); Rossi (1956: 198) redetermined the specimen (ex 243) as *Nicella guadalupensis* (D. & M., 1860), and indicated it as the holotype. Paralectotype: MZUF 139, Antilles, [T].

Villogorgia nigrescens D. & M., 1860: 32, pl. IV fig. 2. D. & M., 1864: 20. Loc: Guadalupe. “*Elle a été recueillie à la Guadeloupe par M.^r le Docteur Desbonnes*” (D. & M., 1860). Lectotype: MSNT 352, Guadalupe, [T]; Rossi (1956: 198) pointed out that part of this specimen (ex 170), indicated as the holotype, is preserved at BMNH. Paralectotypes: MSNT 371, Guadalupe, specimen not reported by Rossi (the part of the lectotype sent to BMNH?); MZUF 153, Guadalupe.

Xiphigorgia americana D. & M., 1864: 19, pl. II fig. 6. Loc: St. Thomas. Lectotype: MZUF 155, St. Thomas, [T]; the specimen perfectly corresponds to the original picture.

Xiphigorgia anceps (Pallas). D. & M., 1860: 33, pl. IV fig. 4; D. & M., 1864: 19. MNHN, 5 specimens, 1951, Guadalupe; presence reported by d’Hondt & d’Hondt (2001). MSNT 304, Guadalupe; specimen revised by Matthai in 1922. MZUF 154, Guadalupe.

Order Pennatulacea

Renilla americana Lamarck. D. & M., 1864: 23. In MZUF, the presence of 6 specimens from Antilles is testified by the old form. Material not found.

Order Scleractinia

Acanthastrea dipsacea (Lamarck). D. & M., 1860: 78; D. & M., 1864: 88. MSNT 65 (ex 383), St. Thomas (Antilles); specimen revised by Matthai in 1922. MZUF 702, Antilles. In MZUF, the presence of another specimen from Antilles is testified by the old form; material not found.

Agaricia undata Solander & Ellis. D. & M., 1860: 80-81. MSNT 334, St. Thomas. MSNT 71, Guadalupe; specimen revised by Matthai in 1922.

Astrangia danai Milne Edwards & Haime. D. & M., 1864: 91. MSNT 82 (ex 428), St. Thomas; specimen revised by Matthai in 1922.

Astrangia granulata D. & M., 1860: 79, pl. IX figs. 13-14. D. & M., 1864: 91. Loc: St. Thomas. Lectotype: MSNT 83, Antilles, [T]; specimen identical specularly to the picture in the original plate; Rossi (1959: 7) redetermined it as *A. solitaria* (Lesueur, 1817) and indicated it as the holotype (ex 425); revised by Vaughan and Matthai. Paralectotypes: MZUF 232, Antilles; MZUF 235, St. Thomas.

Astrangia michelini Milne Edwards & Haime. D. & M., 1864: 91. MSNT 80, Antilles; specimen (ex 426) revised by Matthai in 1922. MZUF 230, St. Thomas. MZUF 231, Antilles. MZUF 299, St. Thomas. In MZUF, the presence of another not found specimen from St. Thomas is testified by the old form.

Astrangia neglecta D. & M., 1860: 79, pl. X figs. 3-4. D. & M., 1864: 91. Loc: St. Thomas. Lectotype: MSNT 81, St. Thomas, [T]; revised by Vaughan in 1901, who stated that the specimen was identical to the one represented in fig. 3 pl. X; actually it is very similar, but not identical; Rossi (1959: 7) indicated it as the holotype (ex 427) and redetermined it as *A. solitaria* (Lesueur, 1817). Paralectotype: MZUF 233, Antilles.

Astrangia phyllangioides D. & M., 1864: 91-92. Loc: St. Thomas. Syntypes: MZUF 227, St. Thomas, [T]; MZUF 228, St. Thomas, 2 specimens, [T]. In MZUF, the presence of another not found specimen from St. Thomas, and indicated as “tipus” [T], is testified by the old form.

Astrea globosa (Blainville). D. & M., 1864: 89. MSNT 272, St. Thomas.

Astrea radians (Pallas). D. & M., 1864: 88-89. MSNT 84, St. Thomas, specimen revised by Matthai in 1922. MSNT 271, St. Thomas, specimen (ex 447) revised by Matthai in 1922. MZUF 245, Antilles.

Chyphastrea oblita D. & M., 1860: 77. D. & M., 1864: 86. Loc: St. Thomas. Syntype: MSNT 102, St. Thomas (Antilles), specimen (ex 475) revised by Matthai in 1922.

Cladocora arbuscula (Lesueur). D. & M., 1864: 90. MSNT 92, St. Thomas, specimen (ex 432) revised by Matthai and by Zibrowius. MZUF 656, St. Thomas.

Cladocora conferta (Dana). D. & M., 1864: 91. MSNT 90, Antilles, specimen (ex 477) revised by Matthai and by Zibrowius who redetermined it as *Cladocora arbuscula* (Lesueur, 1821).

Cladocora parvistella D. & M., 1864: 91, pl. X figs. 1-2. Loc: Antilles. In MZUF, the presence of one specimen from Antilles, and indicated as “tipus” [T], is testified by the old form. Type material not found.

Cladocora pulchella Milne Edwards & Haime. D. & M., 1864: 90. MZUF 206, Antilles.

Cladocora unipedalis D. & M., 1860: 79, pl. X figs. 5-6. D. & M., 1864: 91. Loc: Antilles. Lectotype: MSNT 91, Antilles, [T]; specimen corresponding to the one represented in the original plate; revised by Matthai; Rossi (1959: 6) and Zibrowius, in 1973, agreed to redetermine the specimen (ex 431) as *Cladocora arbuscula* (Lesueur, 1821). In MZUF, the presence of one specimen from Antilles is testified by the old form; type material not found.

Coenocyathus cylindricus Milne Edwards & Haime. D. & M., 1864: 64. In MZUF, the presence of one specimen from St. Thomas is testified by the old form. Material not found.

Colpophyllia astreaformis D. & M., 1860: 73. D. & M., 1864: 80. Loc: St. Thomas. Syntypes: MSNT 98, St. Thomas; Matthai (1928: 101, 106) identified the specimen as *Colpophyllia natans* (Müller, 1775); MZUF 829, St. Thomas, [T]. Rossi (1959: 6) reported two syntypes present in Turin Museum (ex 362, ex 367), of which only one still preserved, that she redetermined as *Colpophyllia natans* (Müller, 1775).

Colpophyllia breviserialis Milne Edwards & Haime. D. & M., 1864: 80. MSNT 97, St. Thomas, Matthai (1928: 107, 109) maintained that such specimen (ex 363) should be probably redetermined as *Colpophyllia amaranthus* (Müller, 1775).

Colpophyllia fragilis (Dana). D. & M., 1864: 80. MSNT 99, St. Thomas, Matthai (1928: 101, 106) identified the specimen (ex 365) as *Colpophyllia natans* (Müller, 1775).

Colpophyllia gyrosa (Solander & Ellis). D. & M., 1864: 80. Matthai (1928: 101, 106) found in MSNT an entire colony coming from St. Thomas, that redetermined as *Colpophyllia natans* (Müller, 1775). Material not found.

Colpophyllia tenuis Milne Edwards & Haime. D. & M., 1864: 80. MSNT 332, St. Thomas; Matthai (1928: 101, 106) redetermined the specimen as *Colpophyllia natans* (Müller, 1775).

Cosmoporites laevigata D. & M., 1864: 99, pl. X figs. 12, 16. Loc: St. Thomas. Lectotype: MZUF 832, St. Thomas, [T]; specimen corresponding to the one represented in the original plate.

Dendrogyra cylindrus Ehrenberg. D. & M., 1860: 65; D. & M., 1864: 71-72. MSNT 104, Antilles. MSNT 333, St. Thomas, specimen revised by Matthai in 1922. In MZUF, the presence of one not found specimen from Antilles is testified by the old form.

Desmophyllum cailleti D. & M., 1864: 66, pl. VIII fig. 11. Loc: Antilles. In MZUF, the presence of one specimen (ex 481) is testified by the old catalogue and by the old form compiled by A. Senna after 1860. Type material not found.

Desmophyllum incertum D. & M., 1860: 60-61, pl. IX fig. 4. D. & M., 1864: 66. Loc: Guadalupe. Lectotype: MSNT 318, Guadalupe, [T], specimen corresponding to the one represented in the original plate. Rossi (1959: 9-10) redetermined the specimen (ex 309) as *Cyathoceras incertum* (D. & M., 1860) and indicated it as the holotype. Specimen revised by Zibrowius. In the original plate IX, the figures 4 and 5 are reverted; for such reason Vaughan and Matthai gave an erroneous description of *Desmophyllum rusei*.

Desmophyllum rusei D. & M., 1860: 61, pl. IX fig. 5. D. & M., 1864: 66 (cited as *D. riisei*). Loc: St. Thomas. “*Trouvée à St. Thomas par Mr Riise, Pharmacien de cette ville*”. In MSNT, Rossi (1959: 10) identified an incomplete corallite of this species (ex 308), that indicated as holotype and redetermined it as *Desmophyllum fasciculatum* (Risso, 1826). Type material not found.

Dichocoenia aequinoxialis D. & M., 1864: 73. Loc: Antilles. Lectotype: MSNT 329, St. Thomas, [T]; Matthai (1928: 198, 201) put the species in synonymy with *Dichocoenia stokesii* Milne Edwards & Haime, 1848, even if he couldn't find the specimen. Successively Rossi (1959: 8) revised the specimen (ex 511), confirming the previous identification and indicated it as the holotype.

Dichocoenia elliptica D. & M., 1864: 73, pl. IX figs. 11-12. Loc: Guadalupe. Lectotype: MZUF 838, Guadalupe, [T]; specimen corresponding to the one represented in the original plate. Matthai (1928: 198, 201) put the species in synonymy with *Dichocoenia stokesii* Milne Edwards & Haime, 1848, even if he couldn't find the specimens in MSNT.

Dichocoenia pauciflora D. & M., 1864: 73, pl. IX figs. 9-10. Loc: St. Thomas. Lectotype: MZUF 831, St. Thomas, [T]; specimen corresponding to the one represented in the original plate. Matthai (1928: 198, 201) put the species in synonymy with *Dichocoenia stokesii* Milne Edwards & Haime, 1848, even if he couldn't find the specimens in MSNT.

Dichocoenia pulcherrima D. & M., 1860: 65-66. D. & M., 1864: 72, pl. IX figs. 5-6. Loc: Antilles. Syntypes: MSNT 217, Antilles, [T], Matthai (1928: 198, 200) redetermined the specimen as *Dichocoenia stokesii* Milne Edwards & Haime, 1848, and successively Rossi (1959: 8) confirmed the new

identification, indicating the specimen (ex 361) as a syntype; MZUF 830, Antilles, [T], specimen corresponding to the one represented in the original plate, published after its first description (D. & M., 1864); MZUF 711, Guadalupe; MZUF 713, Antilles.

Dichocoenia stokesii Milne Edwards & Haime. D. & M., 1860: 65; D. & M., 1864: 72. MZUF 712, Guadalupe.

Diploria cerebriformis (Lamarck). D. & M., 1864: 82. MSNT 107, St. Thomas; Matthai (1928: 63, 70) redetermined the specimen (ex 405) as *Meandrina labyrinthiformis* (L., 1758).

Diploria truncata (Dana). D. & M., 1864: 82. MSNT 106, St. Thomas; Matthai (1928: 63, 71) considered the specimen (ex 410) a young stage of *Meandrina labyrinthiformis* (L., 1758).

Eusmilia aspera (Dana). D. & M., 1860: 64; D. & M., 1864: 71. MSNT 124, Martinique; Matthai (1928: 191, 195) revised the specimen (ex 423) as *Eusmilia fastigiata* (Pallas, 1766). In MZUF, the presence of one specimen from Is. St. Thomas is testified by the old form; material not found.

Eusmilia fastigiata (Pallas). D. & M., 1860: 64; D. & M., 1864: 71. Matthai (1928: 191, 195) examined a broken specimen of this species, 9 cm long, in MSNT. Material not found.

Eusmilia silene D. & M., 1860: 64-65, pl. X figs. 11-12. D. & M., 1864: 71. Loc: St. Thomas. Lectotype: MSNT 123, St. Thomas, [T], specimen corresponding to the one represented in the original plate. Matthai (1928: 191, 196) remarked it too, and redetermined the specimen (ex 422) as *Eusmilia fastigiata* (Pallas, 1766).

Favia ananas (Lamarck). D. & M., 1864: 83. MSNT 127, St. Thomas; specimen revised by Matthai in 1922. MZUF 657, Antilles.

Favia coarctata D. & M., 1860: 76, pl. X figs. 17-18. D. & M., 1864: 83. Loc: St. Thomas. Lectotype: MSNT 129, St. Thomas, [T], specimen very similar, but not identical to the one represented in the original plate. Revised by Matthai. Rossi (1959: 5) redetermined the specimen (ex 479) as *Favia fragum* (Esper, 1795) and indicated it as the holotype. In MZUF, the presence of one specimen from St. Thomas, and indicated as "tipus" [T], is testified by the old form; type material not found.

Favia incerta D. & M., 1860: 75, pl. X figs. 13-14. D. & M., 1864: 83. Loc: St. Thomas. Lectotype: MSNT 128, St. Thomas, specimen specularly identical to the picture in the original plate. Rossi (1959: 6) reported only one specimen (ex 480) indicating it as the holotype and redetermined it as *Favia fragum* (Esper, 1795). Revised by Matthai in 1922. In MZUF, the presence of one specimen from St. Thomas, and indicated as "tipus" [T], is testified by the old form; type material not found.

Heliastrea abdita D. & M., 1860: 76. D. & M., 1864: 85. Loc: St. Thomas. Lectotype: MSNT 158, St. Thomas. Rossi (1959: 6) examining the specimen (ex 474), indicated it as the holotype and put the species in synonymy with *Cyphastrea oblita* D. & M., 1860, identifying both as *Solenastrea bournoni* Milne Edwards & Haime, 1849. Revised by Matthai in 1922.

Heliastrea acropora (L.). D. & M., 1864: 85. MSNT 156, St. Thomas; specimen (ex 345) revised by Matthai in 1922.

Heliastrea annularis (Ellis & Solander). D. & M., 1864: 85. MSNT 159, St. Thomas.

Heliastrea lamarckii Milne Edwards & Haime. D. & M., 1864: 85. MSNT 157, St. Thomas; specimen (ex 502) revised by Matthai in 1922.

Heliastrea radiata (Ellis & Solander). D. & M., 1864: 85. MSNT 338, Antilles; revised by Matthai.

Heliastrea rotulosa D. & M., 1860: 76. D. & M., 1864: 85. Loc: St. Thomas. Lectotype: MSNT 320, Antilles. Rossi (1959: 6) reported the presence of only one specimen (ex 509), indicated as the holotype and redetermined as *Montastrea annularis* (Ellis & Solander, 1786).

Leptastrea caribaea D. & M., 1860: 78. D. & M., 1864: 87. Loc: St. Thomas. Lectotype: MSNT 161, St. Thomas. Rossi (1959: 7) indicated it as the holotype (ex 459) and redetermined it as *Solenastrea bournoni* Milne Edwards & Haime, 1849. Revised by Matthai in 1922.

Leptoria fragilis D. & M., 1860: 75. D. & M., 1864: 82. Loc: St. Thomas. Lectotype: MSNT 175, St. Thomas, [T]; Rossi (1959: 6), agreeing with Matthai (1928: 101, 106), redetermined the specimen (ex 406) as *Colpophyllia natans* (Müller, 1775) and indicated it as the holotype. In MZUF, the presence of one specimen from St. Thomas, and indicated as "tipus" [T], is testified by the old form; type material not found.

Leptoria hieroglyphica D. & M., 1860: 75. D. & M., 1864: 82. Loc: Antilles. Lectotype: MSNT 174, St. Thomas, [T]. Rossi (1959: 7), agreeing with Matthai (1928: 71, 78), redetermined the specimen (ex 405) as *Meandrina clivosa* (Ellison & Solander, 1786) and indicated it as the holotype.

Lithophyllia argemone D. & M., 1860: 68, pl. IX fig. 12; pl. X fig. 15. D. & M., 1864: 77. Loc: St. Thomas. Syntypes: MSNT 374, St. Thomas, [T], specimen identical specularly to the picture 15 in the original plate X, Rossi (1959: 8), agreeing with Matthai (1928: 205, 208), redetermined the specimen as *Mussa angulosa* (Pallas, 1766) and indicated it as the holotype; MZUF 956, St. Thomas, [T], specimen identical specularly to the picture 12 in the original plate IX.

Lithophyllia cubensis Milne Edwards & Haime. D. & M., 1860: 67; D. & M., 1864: 76. MSNT 176, St. Thomas, 2 specimens on a Favidae coral. Matthai (1928: 205, 208) redetermined the specimen (ex 369) as *Mussa angulosa* (Pallas, 1766).

Lithophyllia cylindrica D. & M., 1860: 68, pl. IX figs. 17-18. D. & M., 1864: 77. Loc: St. Thomas. Lectotype: MSNT 179, Antilles. Revising the specimen (ex 375) Matthai (1928: 205, 208) stated the relation with the one represented in the original plate; actually it is present only half specimen, similar specularly to those represented. Rossi (1959: 8), accordingly with Matthai, redetermined it as *Mussa angulosa* (Pallas, 1766) and indicated it as the holotype.

Lithophyllia dubia D. & M., 1860: 68, pl. IX fig. 15. D. & M., 1864: 77. Loc: St. Thomas. Lectotype: MSNT 177, St. Thomas, [T]. Specimen corresponding to the one represented in the original plate, as observed by Matthai (1928: 205, 208), that redetermined it as *Mussa angulosa* (Pallas). Rossi (1959: 8) confirmed such identification of the unique found specimen (ex 373) and indicated it as the holotype.

Lithophyllia lacera (Pallas). D. & M., 1860: 67; D. & M., 1864: 76. MSNT 180, St. Thomas.

Lithophyllia multilamellata D. & M., 1864: 77, pl. VIII fig. 12. Loc: Antilles. In MZUF, the presence of the specimen from Antilles is testified by the old form. Type material not found.

Lithophyllia radians D. & M., 1864: 77, pl. VII figs. 3-4. Loc: St. Thomas. Lectotype: MZUF 835, St. Thomas, [T], specimen corresponding to the one represented in the original plate.

Madrepora cervicornis Lamarck. D. & M., 1864: 94. MSNT 412, Antilles.

Madrepora cornuta D. & M., 1860: 82. D. & M., 1864: 94. Loc: St. Thomas. Lectotype: MSNT 499, Antilles, [T]; Rossi (1959: 4) reported the presence of only one specimen (ex 521) that indicated it as the holotype, identifying it as *Acropora muricata* (L). Paralectotype: MZUF 430, Antilles.

Madrepora ethica D. & M., 1860: 82, pl. X figs. 7-8. D. & M., 1864: 94. Loc: St. Thomas. Lectotype: MZUF 842, St. Thomas, [T]; specimen corresponding to the one represented in the original plate. In MZUF, the presence of one specimen from St. Thomas is testified by the old form; type material not found.

Madrepora palmata Lamarck. D. & M., 1864: 94. MSNT 184, Antilles; revised by Matthai in 1922.

Madrepora prolifera Lamarck. D. & M., 1864: 94. MSNT 185, Antilles, very ruined specimen; revised by Matthai in 1922.

Madrepora thomasiana D. & M., 1860: 82. D. & M., 1864: 94. Loc: St. Thomas. Syntype: MSNT 183, St. Thomas; revised by Matthai in 1922.

Manicina areolata (L.). D. & M., 1860: 74, pl. V figs. 4-7; D. & M., 1864: 82. MSNT 187, St. Thomas; Matthai (1928: 81, 88) redetermined the specimen (ex 357) as *Meandrina areolata* (L., 1758). In MZUF, the presence of one specimen from Antilles is testified by the old form; material not found.

Manicina crispata Milne Edwards & Haime. D. & M., 1864: 82. MSNT 190, St. Thomas; Matthai (1928: 81) redetermined the specimen (ex 356) as *Meandrina areolata* (L., 1758).

Manicina danai Milne Edwards & Haime. D. & M., 1864: 82. MSNT 322, St. Thomas; Matthai (1928: 81) redetermined the specimen as *Meandrina areolata* (L). MZUF 692, Antilles.

Manicina dilatata Dana. D. & M., 1860: 74. Loc: Antilles. MSNT 189, St. Thomas; Matthai (1928: 81) redetermined the specimen (ex 358) as *Meandrina areolata* (L.).

Manicina valenciennesi Milne Edwards & Haime. D. & M., 1864: 82. MSNT 188, St. Thomas; Matthai (1928: 81) redetermined the specimen (ex 355) as *Meandrina areolata* (L., 1758). MZUF 694, Antilles.

Meandrina filograna (Esper). D. & M., 1864: 82. MSNT 193, St. Thomas; Matthai (1928: 71, 78) redetermined the specimen (ex 485) as *Meandrina clivosa* (Ellis & Solander, 1786).

Meandrina grandiloba Milne Edwards & Haime. D. & M., 1860: 74; D. & M., 1864: 81. MSNT 194, St. Thomas; Matthai (1928: 71, 78) redetermined the specimen (ex 412) as *Meandrina clivosa* (Ellison & Solander, 1786). MZUF 714, Antilles.

Meandrina heterogyra Milne Edwards & Haime. D. & M., 1864: 81. MZUF 715, Antilles.

Meandrina interrupta Dana. D. & M., 1864: 81. MSNT 192, St. Thomas; Matthai (1928: 55, 63) redetermined the specimen (ex 413) as *Meandrina cerebrum* (Ellis & Solander, 1786).

Meandrina serrata Milne Edwards & Haime. D. & M., 1864: 81. MSNT 191, St. Thomas; Matthai (1928: 55, 63) redetermined the specimen (ex 411) as *Meandrina cerebrum* (Ellis & Solander, 1786).

Meandrina superficialis Milne Edwards & Haime. D. & M., 1864: 81. MSNT 321, St. Thomas; Matthai (1928: 55, 63) redetermined the specimen as *Meandrina cerebrum* (Ellis & Solander, 1786).

Merulina ampliata (Ellis & Solander). D. & M., 1860: 80; D. & M., 1864: 92. Loc: "Mers des Indes" (Caribbean Sea). MSNT 195, "Mari Indiani"; Matthai (1928: 128, 134) confirmed the original identification of the specimen (ex 377).

Mussa angulosa (Pallas). D. & M., 1860: 69; D. & M., 1864: 78. MSNT 359, St. Thomas; Matthai (1928: 205, 207) in 1922 examined in the Turin Museum another specimen from St. Thomas, beside this one.

Mussa carduus (Ellis & Solander). D. & M., 1860: 69; D. & M., 1864: 78. MSNT 213, St. Thomas; Matthai (1928: 205, 207) redetermined the specimen (ex 399) as *Mussa angulosa* (Pallas, 1766). MSNT 355, Guadalupe; Matthai (1928: 205, 207) redetermined the specimen as *Mussa angulosa* (Pallas, 1766). In MZUF, the presence of one specimen from Guadalupe is testified by the old form; material not found.

Mussa sinuosa (Lamarck). D. & M., 1864: 79. In MZUF, the presence of two specimens from St. Thomas is testified by the old label. Material not found.

Mycedium cailleti D. & M., 1864: 93. Loc: Guadalupe. In MZUF, the presence of one specimen from Guadalupe, and indicated as “tipus” [T], is testified by the old form. Type material not found.

Mycedium danai D. & M., 1860: 81. D. & M., 1864: 92. Loc: Antilles. Rossi (1959: 4) reported the presence of a specimen from Antilles in MSNT that redetermined as *Agaricia agaricites* (Lamarck), indicating it as the holotype; type material not found. Syntype: MZUF 613, Guadalupe.

Mycedium elephantotus (Pallas). D. & M., 1864: 92. MZUF 610, Caribbean. MZUF 611, Caribbean.

Mycedium lessoni D. & M., 1860: 81. D. & M., 1864: 92. Loc: Antilles. Lectotype: MSNT 215, St. Thomas. Revised by Matthai in 1922. Rossi (1959: 5) indicated it as the holotype (ex 341) identifying it as *Agaricia agaricites* (Lamarck).

Mycedium sancti-johannis D. & M., 1864: 93, pl. X fig. 11. Loc: St. John. Lectotype: MZUF 848, Antilles, [T]. Specimen corresponding to the one represented in the original plate; on the old label redetermined as *Agaricia sancti-johannis* (D. & M., 1864).

Mycedium vesparium D. & M., 1860: 81. D. & M., 1864: 92. Loc: St. Thomas. Lectotype: MSNT 218, Antilles. Revised by Matthai in 1922. Rossi (1959: 4) reported only one specimen (ex 340), indicating it as the holotype, redetermined as *Agaricia agaricites* (Lamarck). Paralectotype: MZUF 840, St. Thomas, [T].

Mycetophyllia lamarckii Milne Edwards & Haime. D. & M., 1860: 74; D. & M., 1864: 79. MSNT 220, St. Thomas; Matthai (1928: 250, 254) found in Turin Museum three entire colonies from St. Thomas of *Mycetophyllia lamarckiana* Milne Edwards & Haime, 1849, one of which with the original label (two specimens not found). MZUF 703, St. Thomas. MZUF 704, St. Thomas.

Neoporites astraeoides (Lamarck). D. & M., 1864: 98. MZUF 275, St. Thomas. In MZUF, the presence of one specimen from St. Thomas is testified by the old form; material not found.

Neoporites littoralis (Milne Edwards & Haime). D. & M., 1864: 97. MSNT 261, St. Thomas, [T]; Rossi (1959: 5) redetermined the specimen (ex 520) as *Porites astreoides* Lamarck, 1816. MZUF 836, St. Thomas, [T]. This material was used to shift the species *Porites littoralis*, described by Milne Edwards & Haime, in the new genus *Neoporites* designed by D. & M. (1864). Thus it can't be considered type material, even if on the old labels and in the old form, preserved in Florence Museum, are reported the notice “typus”; Rossi (1956), probably deceived by the original label, indicated the specimen present in Turin as the holotype.

Neoporites michelini D. & M., 1864: 98, pl. X figs. 9-10. Loc: Is. St. Croix. Lectotype: MZUF 846, St. Croix, [T], specimen corresponding to the one represented in the original plate.

Oculina bermudiana D. & M., 1864: 68, pl. IX figs. 1-2. Loc: Antilles. Lectotype: MZUF 255, Antilles, [T], specimen corresponding to the one represented in the original plate.

Oculina diffusa Lamarck. D. & M., 1860: 62; D. & M., 1864: 68. MSNT 223, Antilles; revised by Matthai in 1922. MZUF 252, Antilles. MZUF 904, Antilles.

Oculina oculata Dana. D. & M., 1860: 62; D. & M., 1864: 68. MSNT 222, Antilles, revised by Matthai in 1922.

Oculina petiveri Milne Edwards & Haime. D. & M., 1860: 62; D. & M., 1864: 68. MSNT 224, St. Thomas. MZUF 253, Caribbean.

Paracyathus de-filippii D. & M., 1860: 60, pl. IX figs. 2-3. Loc: Antilles. Lectotype: MSNT 229, Antilles, [T], specimen (ex 306) identical specularly to the picture in the original plate; revised by Matthai, Rossi (1959: 9), indicating it as the holotype, and Zibrowius. Paralectotype: MZUF 277, Guadalupe, [T].

Pectinia cariboea D. & M., 1860: 67. Loc: Antilles. Lectotype: MSNT 343, Antilles, [T]. Matthai (1928: 161, 166) redetermined the specimen (ex 348) as *Pectinia meandrites* (L., 1758), Rossi (1959: 8) updated it with the synonym *Meandrina pectinata* Lamarck, 1801 and indicated it as the holotype.

Pectinia disticha D. & M., 1860: 66, pl. IX fig. 16. D. & M., 1864: 74. Loc: Antilles. Lectotype: MSNT 230, Antilles, [T], specimen identical specularly to the picture in the original plate. Matthai (1928: 161, 166) redetermined the specimen (ex 347) as *Pectinia meandrites* (L., 1758), that Rossi (1959: 7) updated with the synonym *Meandrina pectinata* Lamarck, 1801 and indicated it as the holotype.

Pectinia elegans D. & M., 1860: 66. D. & M., 1864: 74. Loc: Antilles. Lectotype: MSNT 340, Antilles, [T]. Matthai (1928: 161, 166) redetermined the specimen (ex 346) as *Pectinia meandrites* (L., 1758), that Rossi (1959: 7) updated with the synonym *Meandrina pectinata* Lamarck, 1801 and indicated it as the holotype.

Pectinia quadrata (Dana). D. & M., 1860: 66; D. & M., 1864: 74. MSNT 337, Antilles; Matthai (1928: 161, 166) redetermined the specimen as *Pectinia meandrites* (L., 1758). In MZUF, the presence of one specimen from Antilles is testified by the old form; type material not found.

Phyllangia americana Milne Edwards & Haime. D. & M., 1860: 80; D. & M., 1864: 92. MSNT 232, Martinique; specimen (ex 429) revised by Matthai in 1922.

Plesiastrea carpinetti D. & M., 1860: 77. D. & M., 1864: 87. Loc: St. Thomas. Lectotype: MSNT 233, Antilles, [T]; specimen (ex 461) revised by Matthai in 1922 and by Rossi (1959: 7) that indicated it as the holotype and redetermined it as *Solenastrea bournoni* Milne Edwards & Haime, 1849.

Porites agaricus D. & M., 1860: 83. D. & M., 1864: 99. Loc: Antilles. Lectotype: MSNT 245, Guadalupe, [T]; Rossi (1959) indicated the specimen (ex 516) as the holotype and redetermined it as *Porites astreoides* Lamarck, 1816. Paralectotype: MZUF 296, St. Thomas, [T].

Porites clavaria Lamarck. D. & M., 1864: 95. MSNT 249, St. Thomas; specimen (ex 530) revised by Matthai in 1922. MZUF 646, Antilles. In MZUF the presence of 2 fragments is testified by the old catalogue (ex 528) compiled by Senna in 1860; material not found.

Porites divaricata Lesueur. D. & M., 1864: 97. MSNT 257, St. Thomas; revised by Matthai in 1922.

Porites flexuosa Dana. D. & M., 1864: 97. MSNT 253, Antilles; specimen (ex 522) revised by Matthai in 1922. MZUF 290, St. Thomas.

Porites furcata Lamarck. D. & M., 1864: 95-96. MSNT 246, Guadalupe; specimen (ex 495) revised by Matthai in 1922. MSNT 243, St. Thomas, var. *dimetosa*. MSNT 254, St. Thomas. MSNT 250, Antilles. MSNT 260, St. Thomas. MSNT 251, St. Thomas, var. *conglomerata*. MZUF 650, Antilles.

Porites guadalupensis D. & M., 1860: 83. Loc: Guadalupe. Lectotype: MSNT 244, Guadalupe, [T]; Rossi (1959: 5) indicated the specimen (ex 515) as the holotype and redetermined it as *Porites astreoides* Lamarck, 1816. Paralectotype: MZUF 297, Guadalupe, [T].

Porites incerta D. & M., 1860: 83. D. & M., 1864: 99 (cited as *Neoporites*). Loc: St. Thomas. Lectotype: MSNT 259, St. Thomas, [T]; Rossi (1959: 5) redetermined the only specimen (ex 514) preserved in Turin Museum as *Porites astreoides* Lamarck, 1816 and indicated it as the holotype. Paralectotype: MZUF 837, St. Thomas, [T].

Porites macrocephala D. & M., 1864: 95, pl. X fig. 15. Loc: Antilles. Lectotype: MZUF 289, Antilles, [T]; specimen corresponding to the one represented in the original plate.

Porites plumieri D. & M., 1864: 96, pl. X fig. 14. Loc: St. Thomas. Lectotype: MZUF 849, St. Thomas, [T]; specimen corresponding to the one represented in the original plate. Paralectotype: MSNT 255, St. Thomas, [T]; Rossi (1959: 5) redetermined the specimen (ex 318) as *Porites porites* (Pallas, 1766) and indicated it erroneously as the holotype.

Porites solanderi D. & M., 1860: 83. D. & M., 1864: 95. Loc: St. Thomas. Syntypes: MSNT 252, St. Thomas, [T], revised by Matthai in 1922, specimen (ex 513) indicated by Rossi (1959: 5) as a syntype and redetermined as *Porites porites* (Pallas, 1766); MSNT 258, St. Thomas, [T], specimen (ex 517) indicated by Rossi (1959: 5) as a syntype and redetermined as *Porites porites* (Pallas, 1766); MZUF 647, St. Thomas, [T].

Porites superficialis D. & M., 1860: 82-83. D. & M., 1864: 99 (cited as *Neoporites*). Loc: St. Thomas. Lectotype: MSNT 256, St. Thomas, [T]; revised by Matthai in 1922. Rossi (1959: 5) indicated it as the holotype (ex 512) and redetermined it as *Porites astreoides* Lamarck, 1816. Paralectotypes: MSNT 221, St. Thomas, [T], on a serpentine rock, Rossi (1959: 5) doubted that this topotype specimen (ex 519) belonged to D. & M. collection, without remarking her statement, revised by Matthai in 1922 that redetermined it as *Neoporites superficialis* (D. & M., 1860); MZUF 215, St. Thomas, [T].

Porites valida D. & M., 1864: 94-95, pl. X fig. 13. Loc: St. Thomas, Tortola. Lectotype: MZUF 291, St. Thomas, [T]; specimen corresponding to the one represented in the original plate.

Reussia lamellosa D. & M., 1860: 63 pl. IX figs. 8-9. D. & M., 1864: 70. Loc: St. Thomas. Lectotype: MSNT 266, St. Thomas, [T]; broken specimen in two fragments, as yet noted by Rossi (1959: 4), that indicated it as the holotype (ex 521) and redetermined it as *Madracis decactis* (Lyman, 1859); revised by Matthai in 1922.

Solenastrea ellisii D. & M., 1860: 77. D. & M., 1864: 88. Loc: Antilles. Rossi (1959: 6) reported the presence in MSNT of one specimen (ex 537) from St. Thomas and indicated as the holotype and redetermined as *S. bournoni* Milne Edwards & Haime, 1849. Type material not found.

Solenastrea hyades (Dana). D. & M., 1860: 77; D. & M., 1864: 87. MSNT 339, St. Thomas.

Solenastrea micans D. & M., 1860: 77-78, pl. IX figs. 9-10. D. & M., 1864: 88. Loc: St. Thomas. Lectotype: MSNT 274, St. Thomas, [T]; specimen corresponding to the one represented in the original plate; revised by Matthai in 1922; Rossi (1959: 6) indicated the specimen (ex 503) as the holotype and redetermined it as *S. bournoni* Milne Edwards & Haime, 1849. Paralectotype: MZUF 833, St. Thomas, [T].

Stellangia reptans D. & M., 1860: 80, pl. X figs. 1-2. D. & M., 1864: 92. Loc: St. Thomas. Rossi (1959: 7) reported the presence in MSNT of only one corallite of such species (ex 430), redetermining it as *Phyllangia americana* Milne Edwards & Haime, 1849 and indicated it as syntype, as the original plate represented a colony with several corallites. Type material not found.

Stephanocoenia intersepta (Esper). D. & M., 1860: 67; D. & M., 1864: 74. MSNT 276 (ex 464), St. Thomas; revised by Matthai in 1922. MZUF 249, Antilles.

Stephanocoenia michelini Milne Edwards & Haime. D. & M., 1860: 67; D. & M., 1864: 75. MSNT 277, Antilles; specimen (ex 375) revised by Matthai in 1922. MZUF 248, St. Thomas.

Stephanocoenia debilis D. & M., 1864: 75, pl. IX figs. 7-8. Loc: St. Thomas, St. John. Lectotype: MZUF 957, St. Thomas, [T]; specimen represented in the original plate.

Stylophora mirabilis D. & M., 1860: 62, pl. IX figs. 6-7. D. & M., 1864: 69. Loc: St. Thomas. Lectotype: MZUF 63, St. Thomas; fragment of the specimen represented in the original plate. Paralectotype: MSNT 358, St. Thomas; Rossi (1959: 4) erroneously indicated the specimen (ex 536) as the holotype, redetermining it as *Madracis mirabilis* (D. & M., 1860).

Symphyllia aglae D. & M., 1860: 70. D. & M., 1864: 79. Loc: St. Thomas. Lectotype: MSNT 283, St. Thomas, [T]; Rossi (1959: 8), accordingly with Matthai (1928: 237, 246), redetermined the specimen (ex 390) as *Isophyllia sinuosa* (Ellis & Solander, 1786) and indicated it as the holotype. Paralectotype: MZUF 706, Antilles.

Symphyllia anemone D. & M., 1860: 70. D. & M., 1864: 79. Loc: St. Thomas. Syntype: MSNT 336, St. Thomas; Matthai (1928: 237, 246) found in Turin only one specimen from St. Thomas and redetermined it as *Isophyllia sinuosa* (Ellis & Solander, 1786), ascribing the differences with the original species description to the abnormal environmental conditions. Rossi (1959: 8), accordingly with Matthai's identification, reported the presence of two syntypes (ex 395, 396).

Symphyllia aspera D. & M., 1860: 71. D. & M., 1864: 79. Loc: St. Thomas. Lectotype: MSNT 293, St. Thomas, [T]; Rossi (1959: 9), accordingly with Matthai (1928: 237, 246), redetermined the specimen (ex 385) as *Isophyllia sinuosa* (Ellis & Solander, 1786) and indicated it as the holotype.

Symphyllia conferta D. & M., 1860: 70. D. & M., 1864: 79. Loc: St. Thomas. Lectotype: MSNT 284, St. Thomas, [T]; Rossi (1959: 8), accordingly with Matthai (1928: 237, 246), redetermined the specimen (ex 387) as *Isophyllia sinuosa* (Ellis & Solander, 1786) and indicated it as the holotype.

Symphyllia cylindrica D. & M., 1860: 71. D. & M., 1864: 79. Loc: St. Thomas. Lectotype: MSNT 288, St. Thomas, [T]; Rossi (1959: 9), accordingly with Matthai (1928: 237, 246), redetermined the unique found specimen (ex 393) as *Isophyllia sinuosa* (Ellis & Solander, 1786) and indicated it as the holotype.

Symphyllia helianthus D. & M., 1860: 71. D. & M., 1864: 79. Loc: St. Thomas. Lectotype: MSNT 285, St. Thomas, [T]; Rossi (1959: 8), accordingly with Matthai (1928: 237, 247), redetermined the specimen (ex 386) as *Isophyllia sinuosa* (Ellis & Solander, 1786) and indicated it as the holotype.

Symphyllia knoxi D. & M., 1860: 71-72. D. & M., 1864: 79. Loc: St. Thomas. Lectotype: MSNT 286, St. Thomas, [T]; Rossi (1959: 9), accordingly with Matthai (1928: 237, 246), redetermined the specimen (ex 391) as *Isophyllia sinuosa* (Ellis & Solander, 1786) and indicated it as the holotype.

Symphyllia marginata D. & M., 1860: 72. D. & M., 1864: 79. Loc: St. Thomas, Guadalupe. Lectotype: MSNT 287, St. Thomas, [T]; Rossi (1959: 9), accordingly with Matthai (1928: 237, 246), redetermined the specimen (ex 394) as *Isophyllia sinuosa* (Ellis & Solander, 1786) and indicated it as the holotype.

Symphyllia strigosa D. & M., 1860: 70, pl. X fig. 16. D. & M., 1864: 79. Loc: St. Thomas, Puerto Rico, Tortola. Syntypes: MSNT 289, St. Thomas, "co-typus", Matthai (1928: 237, 247) examined the specimen (ex 490) and he considered it identical to the one represented in the original plate; a careful examination pointed out several analogies with the original picture, but not a perfect relation; Rossi (1959: 8), agreeing with Matthai, redetermined it as *Isophyllia sinuosa* (Ellis & Solander, 1786) and indicated it as syntype; MSNT 292, St. Thomas, Rossi (1959: 8) indicated the specimen (ex 388) as syntype and, accordingly with Matthai (1928: 237, 246), redetermined it as *Isophyllia sinuosa* (Ellis & Solander, 1786); MZUF 705, Antilles, "comp. al tipo".

Symphyllia thomasi D. & M., 1860: 71. D. & M., 1864: 79. Loc: St. Thomas. Lectotype: MSNT 290, St. Thomas, [T]; Rossi (1959: 9), agreeing with Matthai (1928: 237, 246), redetermined the specimen (ex 392) as *Isophyllia sinuosa* (Ellis & Solander, 1786), and indicated it as the holotype.

Symphyllia verrucosa D. & M., 1860: 72. D. & M., 1864: 79. Loc: St. Thomas. Lectotype: MSNT 291, St. Thomas, [T]; Matthai (1928: 237, 247) redetermined the specimen (ex 384) as *Isophyllia sinuosa* (Ellis & Solander, 1786), ascribing the differences with the species description to the abnormal environmental conditions; Rossi (1959: 9) confirmed Matthai's remarks and indicated it as the holotype.

Ulastraea histrix D. & M., 1864: 87. Loc: St. Croix. Syntype: MZUF 243, St. Thomas, [T].

Order Zoanthidea

Bergia vialactea D. & M., 1860: 54. D. & M., 1864: 44, pl. VI fig. 6. Loc: Antilles. Syntype: MZUF 843, Antilles, [T].

Mamillifera anduzii D. & M., 1860: 52, pl. VIII fig. 11. D. & M., 1864: 43. Loc: St. Thomas. Mc Murrich (1905: 17) reported the presence of "two colonies ... named *Mammillifera Anduzii*, St. Thomas on both the Duchassaing and De Filippi labels" in MSNT, and determined it as *Zoanthus anduzii* (D. & M., 1860). Type material not found.

Mamillifera nymphaea Lesueur. D. & M., 1860: 51-52, pl. VIII figs. 8-9; D. & M., 1864: 42-43. Mc Murrich (1905: 20) reported the presence of two colonies collected in St. Thomas in MSNT, and he determined it as *Zoanthus nymphaeus* (Lesueur, 1817). Material not found.

Orinia torpida D. & M., 1860: 52-53, pl. VII fig. 12. D. & M., 1864: 40. Loc: St. Thomas. Mc Murrich (1905: 12) noticed a single specimen in MSNT studied by Carlgren, who assigned it, in the 1900, to a close affinity with the genera *Rhodactis* and *Ricordea*. Type material not found.

Palythoa caribaea D. & M., 1860: 53-54. D. & M., 1864: 47, pl. VI fig. 11. Loc: St. Thomas. MSNT 226, Antilles; presence of the specimen testified by the original label; no type extant material. Syntype: MZUF 834, St. Thomas, [T].

Palythoa cinerea D. & M., 1864: 47, pl. VI fig. 8. Loc: St. Thomas. Syntype: MZUF 301, St. Thomas, [T].

Palythoa flava (Lesueur). D. & M., 1860: 53; D. & M., 1864: 46. MSNT 228, St. Thomas.

Palythoa glareola Lesueur. D. & M., 1864: 47. MZUF 722, St. Thomas.

Palythoa glutinosa D. & M., 1864: 46, pl. VI figs. 7, 9. Loc: St. Thomas. Lectotype: MZUF 304, St. Thomas, [T]; specimen figured in the original plate.

Palythoa ocellata (Solander & Ellis). D. & M., 1860: 53; D. & M., 1864: 45-46. MSNT 227, St. Thomas, 2 specimens. MZUF 302, St. Thomas.

Zoanthus dubius Lesueur. D. & M., 1860: 50, pl. VIII fig. 2; D. & M., 1864: 41. Mc Murrich (1905: 18) reported the presence of "one colony of about ten polyps upon a fragment of *Mycedium*" in MSNT. Material not found.

Zoanthus flosmarinus D. & M., 1860: 50, pl. VIII fig. 6. D. & M., 1864: 41. Loc: St. Thomas. Mc Murrich (1905: 13) reported the presence of "several specimens in a single bottle" in MSNT. Type material not found.

Zoanthus solanderi Lesueur. D. & M., 1860: 49-50, pl. VIII fig. 1. D. & M., 1864: 41. Mc Murrich (1905: 16) reported the presence of "one colony of this form, consisting of half a dozen polyps attached to a piece of stone" collected in St. Thomas in MSNT. Material not found.

Class Hydrozoa

Order Hydroida

Gemmaria clavata (Duchassaing). D. & M., 1860: 55, pl. VIII fig. 13; D. & M., 1864: 43. MZUF 841, St. Thomas, [T].

Gemmaria rusei D. & M., 1860: 55. D. & M., 1864: 43 (cited as *G. riisei*). Loc: St. Thomas. Syntype: MZUF 847, Antilles, [T].

Gemmaria swiftii D. & M., 1860: 55-56, pl. VIII figs. 17-18. D. & M., 1864: 44. Loc: St. Thomas. Syntypes: MZUF 844, St. Thomas, [T]; MZUF 845, St. Thomas, [T], broken specimen.

Order Milleporina

Millepora alcicornis L. D. & M., 1864: 102. MSNT 200, Antilles. Presence of two specimen from Antilles testified by the old form in MZUF. Material not found.

Millepora candida D. & M., 1864: 101. Loc: Antilles. Presence of the specimen from Antilles in MZUF testified by the old form. Type material not found.

Millepora carthaginiensis D. & M., 1864: 102, pl. XI fig. 6. Loc: Carthaginiensi Novae Granatae. Legit Mr A. Anthoine. Presence of the specimen (ex 605) in MZUF testified by the old catalogue compiled by A. Senna after 1860. Type material not found.

Millepora complanata Lamarck. D. & M., 1864: 103. MSNT 199, St. Thomas. Presence in MZUF of a specimen from Antilles testified by the old form. Material not found.

Millepora cristagalli D. & M., 1864: 101, pl. XI fig. 7. Loc: Antilles. Presence in MZUF of a specimen from Antilles testified by the old form. Type material not found.

Millepora delicatula D. & M., 1864: 101, pl. XI fig. 10. Loc: Guadalupe. Legit Mr. Schramm. Presence in MZUF of a specimen from Guadalupe testified by the old form. Type material not found.

Millepora fasciculata Duchassaing, D. & M., 1864: 101-102, pl. XI fig. 5. MSNT 201. St. Thomas. Presence in MZUF of two specimen from Antilles testified by the old form. Material not found.

Millepora faveolata (Solander & Ellis). D. & M., 1864: 104. Loc: Antilles. Presence in MZUF of a specimen from Antilles testified by the old form. Material not found.

Millepora foliata Milne Edwards & Haime. D. & M., 1864: 103. Presence in MZUF of a specimen from Antilles testified by the old form. Material not found.

Millepora gothica D. & M., 1860: 84. pl. X figs. 9-10. D. & M., 1864: 103. Loc: St. Thomas. Presence in MZUF of a specimen from St. Thomas testified by the old form. Type material not found.

Millepora plicata Esper. D. & M., 1864: 103. Presence in MZUF of a specimen testified by the old form. Material not found.

Millepora pumila Dana. 1848. D. & M., 1864: 101. MSNT 198. St. Thomas.

Millepora ramosa Esper. D. & M., 1864: 101. Presence in MZUF of a specimen testified by the old form. Material not found.

Millepora rugosa D. & M., 1864: 102, pl. XI fig. 3. Loc: Antilles. Syntype: MSNT 202. St. Thomas. Presence in MZUF of a specimen from Antilles testified by the old form. Type material not found.

Millepora striata D. & M., 1864: 104, pl. XI fig. 8. Loc: Guadalupe. Presence in MZUF of a specimen from Antilles testified by the old form. Type material not found.

Millepora schrammi D. & M., 1864: 100, pl. XI fig. 9. Loc: Antilles. Presence in MZUF of a specimen from Antilles testified by the old form. Type material not found.

Order Stylasterina

Stylaster elegans D. & M., 1864: 68-69. pl. IX fig. 4. Loc: Guadalupe. Lectotype: MZUF 343. Antilles: specimen figured in the original plate. Paralectotype: MZUF 1110. Guadalupe. [T].

Conclusions

Of the 409 taxa reported by Duchassaing & Michelotti in the two monographs of 1860 and 1864, 165 specimens are currently in the Turin Museum (MSNT) and 101 in the Florence Museum (MZUF), belonging to 149 and 87 species respectively. Moreover, 3 specimens are in Paris (MNHN), including the holotype (i.e. the only specimen, as indicated by the Authors) of *Briarea capitata* Duchassaing & Michelotti, 1860, while at Harvard (MCZ) 13 fragments belonging to 11 species are preserved. The material present in London is still unknown. Of the 208 new species described by the Authors, only 109 are currently available, mainly in Turin and Florence. On the basis of the International Code of Zoological Nomenclature, 74 lectotypes have been designated, while for 34 species the type series have been presently maintained waiting a specific analysis.

After consulting the archives and publications related to this important collection, we were able to ascertain that other specimens, belonging to another 42 species, in the past were housed in the two Italian museums but are now missing. Considering these species and those for which any historical testimony is lacking (Appendix I), we can conclude that the specimens of 215 out of the 409 species originally listed are missing. It should be noted that most of the missing species belong to orders that are generally preserved in liquid, e.g. Actinaria. Since these deteriorate more easily, they have presumably been lost. Some of the specimens preserved in liquid could still be present in some nook or cranny of the Turin Museum. Unfortunately, however, having undergone continuous transfers of its collections, the museum is still not able to compile a definitive list of the historical material. Finally, we cannot exclude that other specimens have been given or lent to other museums in the past, but at the moment this remains unknown.

Although many of the listed species are no longer in use, the entire Duchassaing & Michelotti collection retains much of its original importance and the present paper is intended to be an aid for researchers in this field. We hope that future revisions of the type material will define new lectotypes within the type series.

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Appendix I

Species listed in D. & M. (1860, 1864) monographs, without data at the present.

Class Anthozoa Order Actinaria

- Actinia aster* Ellis. D. & M., 1860: 39, pl. VIII fig. 16; D. & M., 1864: 27.
- Actinodactylus boschii* Duchassaing. D. & M., 1860: 44, pl. VII fig. 1; D. & M., 1864: 37.
- Actinodactylus neglectus* D. & M., 1860: 44-45, pl. XII fig. 3. D. & M., 1864: 37. Loc: St. Thomas.
- Actinopurus elegans* Duchassaing. D. & M., 1860: 46, pl. VII fig. 6; D. & M., 1864: 38.
- Actinotryx sanctithomae* D. & M., 1860: 45, pl. VII fig. 2. D. & M., 1864: 41. Loc: St. Thomas.
- Adamsia egletes* D. & M., 1864: 40, pl. VI fig. 17. Loc: St. Thomas.
- Adamsia tricolor* (Lesueur). D. & M., 1864: 40.
- Anemonia depressa* D. & M., 1860: 37, pl. VI fig. 1. D. & M., 1864: 27. Loc: Guadalupe.
- Anemonia pelagica* Quoy & Gaymard. D. & M., 1860: 37; D. & M., 1864: 27.
- Anthopleura krebsi* D. & M., 1860: 49, pl. VII fig. 13. D. & M., 1864: 32. Loc: St. Thomas.
- Anthopleura pallida* D. & M., 1864: 32-33, pl. V fig. 11. Loc: St. Thomas.
- Bartholomea inula* D. & M., 1864: 39, pl. VI fig. 15. Loc: St. Thomas.
- Bartholomea tagetes* D. & M., 1864: 39, pl. VI fig. 16. Loc: St. Thomas, Puerto Rico.
- Capnea coreopsis* D. & M., 1864: 34, pl. V fig. 13. Loc: St. Thomas.
- Capnea lucida* D. & M., 1860: 41, pl. VI figs. 9-12. D. & M., 1864: 29 (cited as *Heteractis*). Loc: St. Thomas.
- Capnea vernonia* D. & M., 1864: 33, pl. V fig. 9. Loc: St. Thomas.
- Capneopsis solidago* D. & M., 1864: 34-35. Loc: St. Thomas.
- Cereus lessoni* Duchassaing. D. & M., 1860: 42, pl. VI figs. 13-14.
- Condylactis passiflora* D. & M., 1864: 31, pl. V fig. 7. Loc: St. Thomas.
- Corynactis parvula* D. & M., 1860: 40-41, pl. VI fig. 10. D. & M., 1864: 29. Loc: St. Thomas.
- Cystiactis eugenia* D. & M., 1864: 35, pl. VI fig. 1. Loc: St. Thomas.
- Discosoma anemone* Duchassaing. D. & M., 1860: 38, pl. VI figs. 2-3; D. & M., 1864: 27.
- Discosoma helianthus* (Ellis & Solander). D. & M., 1864: 28.
- Draytonia myrcia* D. & M., 1864: 30, pl. II fig. 8. Loc: St. Thomas.
- Dysactis cricoidea* (Milne Edwards & Haime). D. & M., 1860: 40, pl. VI fig. 4; D. & M., 1864: 34 (cited as *Capnea*).
- Dysactis mimosa* D. & M., 1864: 29, pl. V fig. 12. Loc: St. Thomas.
- Heteractis hyalina* (Lesueur). D. & M., 1860: 41; D. & M., 1864: 29, pl. V fig. 3.
- Nemactis colorata* (Duchassaing). D. & M., 1860: 45, pl. VII figs. 3-5; D. & M., 1864: 38.
- Oulactis danae* D. & M., 1860: 47, pl. VII fig. 10. D. & M., 1864: 37 (cited as *Rhodactis*). Loc: St. Thomas.
- Oulactis formosa* D. & M., 1860: 47, pl. VII figs. 4-5. D. & M., 1864: 36. Loc: Guadalupe.
- Oulactis granulifera* (Lesueur). D. & M., 1860: 46; D. & M., 1864: 32, pl. III fig. 8 (cited as *Anthopleura*).
- Paractis caribaeorum* (Duchassaing). D. & M., 1860: 39, pl. VI fig. 6; D. & M., 1864: 28.
- Paractis clavata* D. & M., 1860: 40, pl. VI figs. 7-8. D. & M., 1864: 33 (cited as *Capnea*). Loc: St. Thomas.
- Paractis dietzii* D. & M., 1864: 28-29. Loc: St. Thomas.
- Paractis guadalupensis* D. & M., 1860: 39. D. & M., 1864: 28. Loc: Guadalupe.
- Paractis ochracea* (Duchassaing). D. & M., 1860: 39, pl. VI fig. 5; D. & M., 1864: 28.
- Paractis solifera* (Lesueur). D. & M., 1860: 39-40; D. & M., 1864: 39, pl. VI fig. 14 (cited as *Bartholomea*).
- Rhodactis musciformis* D. & M., 1864: 38. Loc: St. Thomas.
- Viatrix globulifera* (Duchassaing). D. & M., 1860: 44, pl. VI figs. 15-16.

Order Alcyonacea

- Alcyonium ceicis* D. & M., 1860: 14-15. D. & M., 1864: 10. Loc: Antilles.
- Ammothea polynthes* D. & M., 1860: 15, pl. I fig. 6. D. & M., 1864: 11. Loc: Antilles, St. Thomas.
- Briarea plexaura* (Lamouroux). D. & M., 1860: 15; D. & M., 1864: 11.
- Ojeda luteola* D. & M., 1860: 14. D. & M., 1864: 10. Loc: Antilles.
- Xaenia capitata* D. & M., 1860: 16-17, pl. I figs. 1-2. D. & M., 1864: 11. Loc: Antilles.

Order Antipatharia

- Antipathes eupteridea* D. & M., 1860: 56.
- Antipathes eupteridea* Lamouroux. D. & M., 1864: 48.

Arachnopathes paniculata D. & M., 1864: 48, pl. VII figs. 1-2. Loc: Guadalupe.

Order Gorgonacea

- Chrysogorgia desbonni* D. & M., 1864: 13, 21, pl. I figs. 7-8, pl. IV fig. 5 Loc: Guadalupe.
Eunicea tabogensis D. & M., 1864: 17, pl. III figs. 5-6. Loc: Taboga.
Gorgonia oblita D. & M., 1860: 29; D. & M., 1864: 18. Loc: St. Thomas.
Isis polycantha (Streenstrup). D. & M., 1860: 34; D. & M., 1864: 23.
Juncella juncea (Esper). D. & M., 1860: 34; D. & M., 1864: 21.
Leptogorgia rosea (Lamarck). D. & M., 1860: 32; D. & M., 1864: 19.
Plexaura anguicola (Dana). D. & M., 1860: 28; D. & M., 1864: 18.
Plexaura antiphathes Ehrenberg. D. & M., 1860: 27; D. & M., 1864: 17.
Plexaura corticosa D. & M., 1860: 25-26. D. & M., 1864: 17. Loc: St. Thomas.
Plexaura friabilis MilneEdwards. D. & M., 1860: 26; D. & M., 1864: 17.
Plexaura homomalia (Esper). D. & M., 1860: 26; D. & M., 1864: 17.
Plexaura rhipidalis Valenciennes. D. & M., 1860: 28; D. & M., 1864: 18.
Plexaura salicornoides MilneEdwards. D. & M., 1860: 26; D. & M., 1864: 17.
Primnoa gracilis MilneEdwards. D. & M., 1860: 17; D. & M., 1864: 12.
Pterogorgia citrina (Esper). D. & M., 1860: 30-31; D. & M., 1864: 18.
Pterogorgia ellisiana MilneEdwards. D. & M., 1860: 30; D. & M., 1864: 18.
Pterogorgia festiva D. & M., 1860: 31. D. & M., 1864: 18. Loc: St. Thomas.
Pterogorgia lutescens D. & M., 1860: 30. D. & M., 1864: 18. Loc: Antilles.
Pterogorgia petechizans (Pallas). D. & M., 1860: 30; D. & M., 1864: 18.
Pterogorgia setosa (Esper). D. & M., 1860: 29; D. & M., 1864: 18.
Pterogorgia turgida Ehrenberg. D. & M., 1860: 30; D. & M., 1864: 18.
Rhipidogorgia occatoria Valenciennes. D. & M., 1860: 33; D. & M., 1864: 20.
Thesea exerta (Solander & Ellis). D. & M., 1860: 18; D. & M., 1864: 13 (as *Swiftia*).
Xiphogorgia guadalupensis D. & M., 1860: 33, pl. IV fig. 3. D. & M., 1864: 19. Loc: Guadalupe.

Order Scleractinia

- Alveopora daedalae* Duncan. D. & M., 1864: 100.
Alveopora fenestrata Duncan. D. & M., 1864: 100.

- Alveopora microscopica* Duncan. D. & M., 1864: 100.
Antillia lonsdaleia Duncan. D. & M., 1864: 78.
Antinedia tuberculata (Duchassaing). D. & M., 1864: 42, pl. VI figs. 2-3.
Astrea crenulata Goldfuss. D. & M., 1864: 89.
Astrea grandis (Duncan). D. & M., 1864: 89.
Astrea siderea (Ellis & Solander). D. & M., 1864: 89.
Astrea spp. D. & M., 1860: 78.
Astrocoenia decaphylla (Michelin). D. & M., 1864: 75.
Astrocoenia ornata (Michelin). D. & M., 1864: 75.
Astroria affinis Duncan. D. & M., 1864: 83.
Astroria antiguensis Duncan. D. & M., 1864: 83.
Astroria polygonalis Duncan. D. & M., 1864: 83.
Barysmilia intermedia Duncan. D. & M., 1864: 71.
Caryophyllia berteriana Duchassaing. D. & M., 1860: 59; D. & M., 1864: 64.
Caryophyllia dubia ? D. & M., 1860: 59, pl. V fig. 2. D. & M., 1864: 64. Loc: St. Thomas.
Caryophyllia guadalupensis (Milne Edwards & Haime). D. & M., 1860: 59; D. & M., 1864: 64.
Chyphastrea costata Duncan. D. & M., 1864: 86.
Coeloria dens-elephantis Duncan. D. & M., 1864: 82.
Dendrogyra sancti-hilarii D. & M., 1864: 72. Loc: Antilles.
Desmophyllum oblitum D. & M., 1864: 66. Loc: Antilles.
Desmophyllum reflexum D. & M., 1860: 61, pl. V fig. 8. D. & M., 1864: 66, pl. IX fig. 1. Loc: Antilles.
Dichocoenia cassiopea D. & M., 1860: 65. D. & M., 1864: 72. Loc: Antilles.
Dichocoenia tuberosa Duncan. D. & M., 1864: 74.
Dimorphastraea guadalupensis D. & M., 1864: 90. Loc: Guadalupe.
Favosites dietzi D. & M., 1860: 84-85. D. & M., 1864: 105. Loc: St. Thomas, St. Croix.
Favosites sancti-thomae D. & M., 1864: 105. Loc: St. Thomas.
Flabellum dubium Duncan. D. & M., 1864: 67.
Heliastrea antiguensis Duncan. D. & M., 1864: 86.
Heliastrea antillarum Duncan. D. & M., 1864: 86.
Heliastrea barbadensis Duncan. D. & M., 1864: 86.
Heliastrea brevis Duncan. D. & M., 1864: 86.
Heliastrea cavernosa (Esper). D. & M., 1864: 85.
Heliastrea cellulosa Duncan. D. & M., 1864: 86.
Heliastrea crassolamellata Duncan. D. & M., 1864: 86.
Heliastrea cylindrica Duncan. D. & M., 1864: 86.
Heliastrea endothecata Duncan. D. & M., 1864: 86.
Heliastrea megalaxona Duncan. D. & M., 1864: 86.
Heliastrea stellulata (Ellis & Solander). D. & M., 1864: 85.
Heliastrea tenuis Duncan. D. & M., 1864: 86.
Isastraea turbinata Duncan. D. & M., 1864: 89.
Leptoria phrygia (Solander & Ellis). D. & M., 1864: 82.

Madrepora alces Dana. D. & M., 1864: 94.
Madrepora flabellum Lamarck. D. & M., 1864: 94.
Meandrina sinuosissima Milne Edwards & Haime. D. & M., 1864: 81.
Montlivaultia guesdesii (Duchassaing). D. & M., 1860: 69, pl. V fig. 13; D. & M., 1864: 78 (cited as *Antillia*).
Montlivaultia ponderosa (Milne Edwards & Haime). D. & M., 1860: 69; D. & M., 1864: 78 (cited as *Antillia*).
Mycetophyllia danai Milne Edwards & Haime. D. & M., 1864: 79.
Neoporites subtilis D. & M., 1864: 98-99, pl. X figs. 7-8. Loc: St. Thomas.
Oculina speciosa Milne Edwards & Haime. D. & M., 1860: 62; D. & M., 1864: 68.
Oculina virginea (L.). D. & M., 1860: 61; D. & M., 1864: 68.
Parasmilia nutans D. & M., 1860: 64, pl. V fig. 12. D. & M., 1864: 70. Loc: Guadalupe.
Paterocyathus guadalupensis D. & M., 1860: 60, pl. V fig. 11; D. & M., 1864: 64. Loc: Guadalupe.
Pectinia meandrites (L.). D. & M., 1860: 66; D. & M., 1864: 74.
Phyllocoenia limbata Duncan. D. & M., 1864: 76.
Placocyathus barretti Duncan. D. & M., 1864: 65.
Placocyathus costatus Duncan. D. & M., 1864: 65.
Placocyathus variabilis Duncan. D. & M., 1864: 65.
Plesiastrea distans Duncan. D. & M., 1864: 87.
Plesiastrea globosa Duncan. D. & M., 1864: 87.
Plesiastrea ramea Duncan. D. & M., 1864: 87.
Plesiastrea spongiformis Duncan. D. & M., 1864: 87.
Pocillopora crassoramosa Duncan. D. & M., 1864: 105.
Porites flabelliformis Lesueur. D. & M., 1864: 96.
Prionastrea spp. D. & M., 1860: 78. D. & M., 1864: 89.
Reussia affinis (Duncan). D. & M., 1864: 70.
Solenastrea turonensis (Michelotti). D. & M., 1864: 88.
Solenastrea verhelsti Milne Edwards & Haime. D. & M., 1864: 88.
Stephanocaenia dendroidea Milne Edwards & Haime. D. & M., 1864: 75.
Stephanocaenia tenuis Duncan. D. & M., 1864: 75.
Stylophora incrustans D. & M., 1864: 69, pl. IX fig. 3. Loc: Guadalupe.
Stylophora raristella Defrance. D. & M., 1864: 69.
Symphyllia guadalupensis Milne Edwards & Haime. D. & M., 1860: 69; D. & M., 1864: 79.
Teleiophyllia grandis Duncan. D. & M., 1864: 80.
Teleiophyllia navicula Duncan. D. & M., 1864: 80.
Thysanus corbicula Duncan. D. & M., 1864: 66.
Thysanus excentrics Duncan. D. & M., 1864: 66.
Trochocyathus abnormalis Duncan. D. & M., 1864: 65.
Trochocyathus laterospinosus Milne Edwards &

Haime. D. & M., 1864: 65.

Trochocyathus profundus Duncan. D. & M., 1864: 65.

Trochosmillia dentalus (Duchassaing). D. & M., 1860: 63, pl. V fig. 14; D. & M., 1864: 70.

Trochosmillia gracilis D. & M., 1860: 63-64. D. & M., 1864: 70. Loc: Guadalupe.

Trochosmillia laurenti D. & M., 1860: 63. D. & M., 1864: 70. Loc: Guadalupe.

Order Stolonifera

Clavularia rusei D. & M., 1860: 34. D. & M., 1864: 23. Loc: St. Thomas.

Tubipora musica L. D. & M., 1860: 35; D. & M., 1864: 23.

Order Zoanthidea

Bergia catenularis D. & M., 1860: 54, pl. VIII fig. 12. D. & M., 1864: 44. Loc: Antilles.

Isaua neglecta D. & M., 1860: 51, pl. VIII fig. 10. D. & M., 1864: 40. Loc: Antilles.

Mamillifera auricula Le Sueur. D. & M., 1864: 42.

Mamillifera distans D. & M., 1864: 43, pl. VI fig. 5. Loc: St. Thomas.

Mamillifera pulchella D. & M., 1864: 43, pl. VI fig. 4. Loc: St. Thomas.

Zoanthus nobilis D. & M., 1860: 50, pl. VIII fig. 7. D. & M., 1864: 42. Loc: Antilles.

Zoanthus parasiticus D. & M., 1860: 50, pl. VIII figs. 3-4. D. & M., 1864: 42. Loc: St. Thomas.

Zoanthus tuberclatus D. & M., 1860: 51, pl. VIII fig. 5. Loc: Guadalupe.

Class Hydrozoa

Order Hydrodea

Gemmaria brevis (Duchassaing). D. & M., 1860: 56, pl. VIII fig. 14; D. & M., 1864: 44.

Order Milleporina

Millepora digitata Esper. D. & M., 1864: 102.

Millepora esperi D. & M., 1864: 100. Loc: Antilles.

Millepora fenestrata D. & M., 1864: 103, pl. XI fig. 1. Loc: Antilles.

Millepora sancta D. & M., 1864: 103, pl. IV figs. 1-2. Loc: Guadalupe.

Millepora trinitatis D. & M., 1864: 102-103, pl. XI fig. 10. Loc: Trinidad.

Millepora tuberculata Duchassaing. D. & M., 1864: 104, pl. XI fig. 4.

Order Stylasterina

Stylaster roseus Pallas. D. & M., 1860: 62; D. & M., 1864: 68.

Appendix II

List of the specimens collected in the Caribbean Region, donated by Duchassaing & Michelotti in 1865, present in MZUF and MSNT, but not referred to any of the described or listed species in D. & M. (1860, 1864) monographs. The specimens are indicated with the specific name reported on the original labels.

Class Anthozoa Order Alcyonacea

Ammonothea sp. MSNT 75, Antilles.

Anthelia sp. MZUF, Antilles; presence testified by the old form. Material not found.

Order Antipatharia

Arachnopathes crassa. MZUF, America; presence testified by the old form; material not found. MZUF 94; 2 fragments redetermined as *Savaglia lamarcki*.

Order Gorgonacea

Leptogorgia sp. MZUF 173, Panama.

Leptogorgia miniacea MZUF 194, Atlantic Ocean.

Leptogorgia petechizans Ellis & Solander. MZUF 172, Caribbean. MZUF 176, Caribbean. MSNT 169, Antilles.

Leptogorgia purpurea Lamouroux. MSNT 166, Trinidad. MSNT 172, Trinidad. MZUF 193, Caribbean.

Leptogorgia ventilina. MZUF 174, Panama.

Muricea muricata Pallas. MSNT 206, Antilles.

Plexaura flexulosa Kük. MSNT 313, Antilles.

Primnoea verticillaris. MZUF 575, Barbados, redetermined as *Plumarella penna* Lamarck.

Primnoea funicolina n. sp. MZUF 422, Antilles; redetermined as *Juncella vimen*. In MZUF, the presence of another specimen from Antilles is testified by the old form, but no extant material.

Pterogorgia acerosa. MSNT 407, St. Bartholomew.

Pterogorgia turgida. MSNT 263, Antilles.

Rhipidogorgia flabellum. MSNT 267, Antilles.

Stachyodes regularis Duchassaing. MSNT 275, Guadalupe.

Xiphigorgia citrina Esper. MSNT 305, Antilles, determined by Deichmann.

Order Scleractinia

Acropora muricata var. *cervicornis* Lamarck. MSNT 67, Antilles, specimen broken in three fragments.

Agaricia agarices Pallas. MZUF, St. Thomas, presence of the lost specimen is testified by

the old form. MSNT 72, Antilles, specimen revised by Matthai.

Agaricia gibbosa Dana. MZUF 607, Barbados.

Agaricia polyporus D. & M., undescribed. MZUF 421, Antilles.

Agaricia purpurea Leseur. MZUF 927, St. Thomas.

Agaricia sp. MZUF 609, St. Thomas. In MZUF the presence of the lost specimen from St. Thomas is testified by the old form.

Astrangia sp. MZUF 234, St. Thomas. MZUF 236, St. Thomas.

Astrea sp. In MZUF the presence of the lost specimen from Guadalupe is testified by the old form.

Cladocora sp. MZUF 205, St. Thomas.

Coenopsammia aequiserialis Milne Edwards. MZUF 865, Pacific Ocean.

Dichocoenia guadalupensis D. & M. MSNT 105, Guadalupe.

Dichocoenia uva Milne Edwards. MZUF 897, Antilles.

Eusmilia sp. MSNT 363, Antilles.

Eusmilia alticostata Milne Edwards. MZUF 211, Guadalupe.

Favia n. sp. MZUF 216, Antilles. MZUF 658, Antilles. In MZUF the presence of the lost specimen from Antilles is testified by the old form.

Heliastrea defrancei Milne Edwards. MZUF 955, Antilles.

Heliastrea heliopora Lamarck. MZUF 685, Antilles.

Leptastrea laxilamellata. In MZUF the presence of the lost specimen from St. Thomas is testified by the old form.

Madracis asperula Milne Edwards. MZUF 853, Antilles.

Manicina sp. In MZUF the presence of one not found specimen from Antilles is testified by the old form.

Meandrina sp. MZUF 716, Antilles.

Mycedium purpureo. MSNT 220, St. Thomas, specimen broken in two pieces; revised by Matthai.

Mycetophyllia sp. MZUF 704, Antilles.

Oculina sp. MZUF 256.

Porites sp. MZUF 648, Antilles.

Porites cylindrica Dana. MZUF 940, Antilles.

Siderastrea pulchella Milne Edwards. MZUF 928, Antilles.

Solenastrea bournoni Milne Edwards. MZUF, Antilles. MSNT 273 (ex 460), St. Thomas, specimen revised by Matthai in 1922.

Stylophora digitata/pistillata. MZUF 64, Antilles.

Stylophora elongata Lamarck. MZUF 62, Antilles.

Ulophyllia = *Meandrina daedalea*. MZUF 234, Antilles.

Order Zoanthidea

Palythoa mammillosa Lamouroux. MZUF 303, St. Thomas.

Anthelia sp. MZUF, Antilles.

Dasyphyllia echinulatata Milne Edwards. MZUF. Antilles.

Class Hydrozoa Order Milleporina

Millepora moniliformis. MZUF 203, St. Thomas.

Millepora palmata. MZUF 196, St. Thomas.

Millepora tortuosa Dana. In MZUF presence of one not found specimen from Antilles is testified by the old form.

Incertae sedis

Stylarea sp. MZUF 278, St. Thomas.

Trymohelia eburnea Milne Edwards. MSNT 297, St. Thomas.